

From thompson at mindspring.com Sat May 2 09:57:25 2020  
From: thompson at mindspring.com (Dave Thompson)  
Date: Sat, 2 May 2020 09:57:25 -0400 (GMT-04:00)  
Subject: [BoatAnchors] Need feet for Johnson SSB Adapter  
Message-ID: <549796934.1204.1588427845505@wamui-hyena.atl.sa.earthlink.net>

Gang,

I just received a Johnson SSB Adapter with looks like it matches a Valiant II.

I need 3 bottom feet for the unit. May be the same for other Johnson gear.

Let me know what you have. TNX

73 Dave K4JRB

From dave at horsfall.org Sat May 2 18:51:41 2020  
From: dave at horsfall.org (Dave Horsfall)  
Date: Sun, 3 May 2020 08:51:41 +1000 (EST)  
Subject: [BoatAnchors] An Old Silvertone Radio.  
In-Reply-To: <b898aac4-be51-9376-728c-5449c1de1b20@frontier.com>  
References: <b898aac4-be51-9376-728c-5449c1de1b20@frontier.com>  
Message-ID: <alpine.BSF.2.21.9999.2005030842160.6949@aneurin.horsfall.org>

On Mon, 27 Apr 2020, Steve Berg wrote:

[...]

> I already have more than enough projects.? It is covered with walnut  
> dust because it is out in the garage, where my Dad did a lot of wood  
> working, but that will be removed before shipment.? It also comes with a  
> spare Magic Eye, tube, but I don't know if it is the right one or not.?   
> My Mom used to listen to the Shadow program on that radio, and the  
> glowing green eye, was a special effect.

Be aware of The Shadow :-) And yep, that glowing green thing is wot got  
me involved in this electronics stuff...

-- Dave VK2KFU

From arc5 at ix.netcom.com Wed May 6 07:11:48 2020  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Wed, 6 May 2020 06:11:48 -0500  
Subject: [BoatAnchors] Fwd: VE Day 2020  
In-Reply-To: <b4vN.1588745320155914227.wl2b@groups.io>  
References: <b4vN.1588745320155914227.wl2b@groups.io>  
Message-ID: <cb01d3cb-110b-16ec-5ba6-b3c6e7f4cd11@ix.netcom.com>

----- Forwarded Message -----

Subject: [TCS-Radios] VE Day 2020  
Date: Tue, 05 May 2020 23:08:40 -0700  
From: Roger Basford G3VKM <Roger at new-gate.co.uk>  
Reply-To: TCS-Radios at groups.io  
To: TCS-Radios at groups.io

Hi All,

Friday May 8th is the 75th anniversary of the ending of WW2 in Europe and, despite the pandemic, there will be lots of stations on-air to commemorate this milestone. VMARS in the UK and SRS in Holland are running a joint AM net on 3615 kc from 0500 UTC using WW2 equipment, so if anyone would like to listen or join in there will be a big selection of equipment in use, from manpacks to BC-610s and no doubt some TCS stations. You don't need to be a member of either society to join the net, which is active most mornings around 0630 UTC on AM.

If you're out of range for 80 metres reception try one of the on-line SDRs closer to the activity, I can recommend Hack Green and G4FPH here in the UK, a search will show many others on both sides of the North Sea.

Hopefully, I will be active on 5260 kc CW using either my TCS station or another WW2 set-up during the day as conditions and activity permits.

73 All,

Roger/G3VKM

~.-'-.~.-'

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Groups.io Links:

You receive all messages sent to this group.  
You automatically follow any topics you start or reply to.

View/Reply Online (#1318) <<https://groups.io/g/TCS-Radios/message/1318>>  
| Reply To Group  
<<mailto:TCS-Radios at groups.io?subject=Re:%20%5BTCS-Radios%5D%20VE%20Day%202020>>  
| Reply To Sender  
<<mailto:Roger at new-gate.co.uk?subject=Private:%20Re:%20%5BTCS-Radios%5D%20VE%20Day%202020>>  
| Mute This Topic <<https://groups.io/mt/74023766/912477>> | New Topic

<<https://groups.io/g/TCS-Radios/post>>

Your Subscription <<https://groups.io/g/TCS-Radios/editsub/912477>> |  
Contact Group Owner <<mailto:TCS-Radios+owner@groups.io>> | Unsubscribe  
<<https://groups.io/g/TCS-Radios/leave/2060278/646203300/xyzzzy>>  
[arc5 at ix.netcom.com]

-.'-.-'-

--

This email has been checked for viruses by Avast antivirus software.  
<https://www.avast.com/antivirus>

From arc5 at ix.netcom.com Wed May 6 08:47:51 2020  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Wed, 6 May 2020 07:47:51 -0500  
Subject: [BoatAnchors] Carbon Composites Go Bye Bye  
Message-ID: <60ff6618-e2ab-cd13-cb44-1b21009adf4e@ix.netcom.com>

Mentioned this once, finally pulled the trigger on it.  
I have purged my 50-year junk-box of carbon-comp resistors,  
including NOS, save only obvious "antique" parts from  
the 20s and 30s and "premium grade" precisions.  
Over a gallon of them. 90%? have drifted, some of them  
substantially, and it just isn't worth my precious and  
rapidly-dwindling time to try and cherry-pick those still good.  
Will be using mostly the current "flame-proof" in  
future projects.?? I'm curious if anyone else has considered  
"resistor retirement?"

73 Dave AB5S

--

This email has been checked for viruses by Avast antivirus software.  
<https://www.avast.com/antivirus>

From k1lky68 at gmail.com Wed May 6 10:15:58 2020  
From: k1lky68 at gmail.com (Roy Morgan)  
Date: Wed, 6 May 2020 10:15:58 -0400  
Subject: [BoatAnchors] Carbon Composites Go Bye Bye  
In-Reply-To: <60ff6618-e2ab-cd13-cb44-1b21009adf4e@ix.netcom.com>  
References: <60ff6618-e2ab-cd13-cb44-1b21009adf4e@ix.netcom.com>  
Message-ID: <31C8B07F-395B-4687-A674-65C684FFA772@gmail.com>

Dave,

While buying some Craig's-Listed plant pots, I discovered the guy had some radio things from an estate clean-out. I \*should\* have come home with the HP variable bench supply, but he also had two of those small cabinets full of IRC carbon comp resistors - one- and two-watt sizes.

It only took me a short time to decide to leave them all with him.

Roy Morgan  
K1LKY Western Mass

> On May 6, 2020, at 8:48 AM, David ... wrote:  
> ...  
> I have purged my 50-year junk-box of carbon-comp resistors, including NOS ...

From spr at earthlink.net Wed May 6 11:33:05 2020  
From: spr at earthlink.net (Scott Robinson)  
Date: Wed, 6 May 2020 08:33:05 -0700  
Subject: [BoatAnchors] Carbon Composites Go Bye Bye  
In-Reply-To: <60ff6618-e2ab-cd13-cb44-1b21009adf4e@ix.netcom.com>  
References: <60ff6618-e2ab-cd13-cb44-1b21009adf4e@ix.netcom.com>  
Message-ID: <8bee84e1-0bc4-2499-b61e-596e86c72c1f@earthlink.net>

Hi Dave,

I've kept mine (more like a quart here) , testing s sorted over the years. I also have a full set (E24 values\*) of 1/4 W carbon films that I use unless i Need a 1/2w part. They're cheap if bought in 100 lots and assortments.

\*

E6: 1 1.5 2.2. 3.3. 4.7 6.8 etc.

E12 fills in the gaps by adding : 1.2 1.8 2.7 3.9 5.6 8.2

E24 fills in those gaps by adding 1.1 1.3 1.6 2.2 2.4 3.0 3.6 4.3 5.1  
6.2 7.5 9.1

\*

Lotta resistors, don't have time to not have them when needed.

For fixing test equipment, I also have a substantial stash of metal film 400 mW (same size qs 1/4 W carbons film) 1% resistors, acquired as assortments form various sources.

Happy soldering,

/scott

On 5/6/20 5:47 AM, David Stinson via BoatAnchors wrote:

> Mentioned this once, finally pulled the trigger on it.  
> I have purged my 50-year junk-box of carbon-comp resistors,  
> including NOS, save only obvious "antique" parts from  
> the 20s and 30s and "premium grade" precisions.  
> Over a gallon of them. 90%? have drifted, some of them  
> substantially, and it just isn't worth my precious and  
> rapidly-dwindling time to try and cherry-pick those still good.  
> Will be using mostly the current "flame-proof" in  
> future projects.?? I'm curious if anyone else has considered  
> "resistor retirement?"  
>  
> 73 Dave AB5S  
>  
>

From gumbear at pacbell.net Wed May 6 15:24:12 2020  
From: gumbear at pacbell.net (Arden Allen)  
Date: Wed, 6 May 2020 12:24:12 -0700  
Subject: [BoatAnchors] Carbon Composites Go Bye Bye  
In-Reply-To: <8bee84e1-0bc4-2499-b61e-596e86c72c1f@earthlink.net>  
References: <60ff6618-e2ab-cd13-cb44-1b21009adf4e@ix.netcom.com>  
<8bee84e1-0bc4-2499-b61e-596e86c72c1f@earthlink.net>  
Message-ID: <17987813120F4C51967FB7940FA80E5D@Lenovo>

E6 - 20% tolerance (no band)  
E12 - 10% tolerance (silver band)  
E24 - 5% tolerance (gold band)

Arden

-----Original Message-----

From: Scott Robinson via BoatAnchors  
Sent: Wednesday, May 06, 2020 8:33 AM  
To: Ham radios with tubes ; milsurplus at mailman ; Boatanchors at mailman  
Cc: Scott Robinson  
Subject: Re: [BoatAnchors] Carbon Composites Go Bye Bye

Hi Dave,

I've kept mine (more like a quart here) , testing s sorted over the years. I also have a full set (E24 values\*) of 1/4 W carbon films that I use unless i Need a 1/2w part. They're cheap if bought in 100 lots and assortments.

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Lotta resistors, don't have time to not have them when needed.

For fixing test equipment, I also have a substantial stash of metal film 400 mW (same size qs 1/4 W carbons film) 1% resistors, acquired as assortments from various sources.

Happy soldering,

/scott

.....

From ranickel at comcast.net Sat May 9 22:32:02 2020

From: ranickel at comcast.net (Robert Nickels)

Date: Sat, 9 May 2020 21:32:02 -0500

Subject: [BoatAnchors] Pierson PR-15 again

Message-ID: <11cb1987-5221-1d08-01ba-e5d2789496b2@comcast.net>

Thanks to the info I got from a list member, I've got the Pierson PR-15? going, sorta.?? I don't know why Karl Pierson thought it would be good to use a 6K6 beam power pentode for the local oscillator, but it wasn't working and after fixing a bunch of hacky repairs I found a broken wire on the coil common that brought it to life.

But this receiver has four bands, not five as the Riders #9 schematic shows.??? There is a note in Riders:

PR-15? Models:

PR-15-M

PR-15-R

PR-15-X

PR-15-C

PR-15-UH

I'm wondering if anyone knows what those variants might be??? I'll bet that one of them this 4-band version (band 1, the BC band is missing).? It was clearly designed this way because there are only four openings in the coil cans to adjust the trimmers.

Thanks and 73,  
Bob W9RAN

From w2ssx at yahoo.com Sun May 10 21:52:16 2020

From: w2ssx at yahoo.com (richard aubrey)

Date: Sun, 10 May 2020 21:52:16 -0400

Subject: [BoatAnchors] Drake TR4CW

Message-ID: <mailman.406.1589161939.25197.boatanchors@lists.theporch.com>

Is anyone familiar with the tr4 vox delay circuit. I'm trying to increase the vox delay when operating slow cw. The delay is about 1 second which is a bit too fast for sending slow cw.

Appreciate any help. Richard Aubrey (w2ssx at yahoo.com)

Sent from Mail for Windows 10

From jconдон at nrao.edu Sun May 10 22:21:10 2020

From: jconдон at nrao.edu (Jim Condon)

Date: Sun, 10 May 2020 22:21:10 -0400

Subject: [BoatAnchors] Drake TR4CW

In-Reply-To: <mailman.406.1589161939.25197.boatanchors@lists.theporch.com>

References: <mailman.406.1589161939.25197.boatanchors@lists.theporch.com>

Message-ID: <e3c11386-f898-9823-f0b3-396d3b057c82@nrao.edu>

Try increasing the VOX gain (screw control on right side of cabinet).

Jim, AD4YM

On 5/10/20 21:52, richard aubrey via BoatAnchors wrote:

> Is anyone familiar with the tr4 vox delay circuit. I'm trying to increase the vox delay when operating slow cw. The delay is about 1 second which is a bit too fast for sending slow cw.

> Appreciate any help. Richard Aubrey (w2ssx at yahoo.com)

> Sent from Mail for Windows 10

>

>

> -----

> BoatAnchors mailing list

> BoatAnchors at lists.theporch.com

> <https://lists.theporch.com/mailman/listinfo/boatanchors>

--

Jim Condon

NRAO

520 Edgemont Road

Charlottesville, VA 22903 USA

phone +1 434 296 0322

fax +1 434 296 0278

From jerry.proc at sympatico.ca Tue May 12 12:40:59 2020

From: jerry.proc at sympatico.ca (Jerry Proc)

Date: Tue, 12 May 2020 12:40:59 -0400

Subject: [BoatAnchors] 78 Year Old Mystery Solved

Message-ID: <002e01d6287c\$1e49ff30\$5addfd90\$@proc@sympatico.ca>

Hello Everyone,

A seemingly innocent question regarding WWII era High Frequency Direction Finding took off in an entirely different path once the research on the answer got underway. The "a-ha" moment happened when one of my colleagues (Tom Brent) discovered a manual on-line which indicated that we were studying was the remains of a WWII era Fighter Control network for Vancouver Island. It is believed this network was set up to defend against Japanese attack on Canada's west coast. We were only able to identify and confirm two elements of this system (two VHF/DF stations) at this time. Hopefully the publication of this story will help to shed light on the other missing parts of this network.

The research which led to the solving of the mystery can found at:  
[http://jproc.ca/ve3fab/mount\\_douglas.html](http://jproc.ca/ve3fab/mount_douglas.html)

Regards,

Jerry Proc

jerry.proc at sympatico.ca

Web: [www.jproc.ca](http://www.jproc.ca)

From ark at ar88.net Tue May 12 12:52:19 2020  
From: ark at ar88.net (Al Klase)  
Date: Tue, 12 May 2020 12:52:19 -0400  
Subject: [BoatAnchors] 78 Year Old Mystery Solved  
In-Reply-To: <002e01d6287c\$1e49ff30\$5addfd90\$@proc@sympatico.ca>  
References: <002e01d6287c\$1e49ff30\$5addfd90\$@proc@sympatico.ca>  
Message-ID: <1ed9c91f-91ea-4be8-8339-a4a52aa16e31@ar88.net>

More great work, Jerry,

Thanks,  
Al



On 5/12/2020 12:40 PM, Jerry Proc wrote:

> Hello Everyone,

>

>

>

> A seemingly innocent question regarding WWII era High Frequency Direction  
> Finding took off in an entirely different path once the research on the  
> answer got underway. The "a-ha" moment happened when one of my colleagues  
> (Tom Brent) discovered a manual on-line which indicated that we were  
> studying was the remains of a WWII era Fighter Control network for  
> Vancouver Island. It is believed this network was set up to defend against  
> Japanese attack on Canada's west coast. We were only able to identify and  
> confirm two elements of this system (two VHF/DF stations) at this time.  
> Hopefully the publication of this story will help to shed light on the other  
> missing parts of this network.

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>

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> [http://jproc.ca/ve3fab/mount\\_douglas.html](http://jproc.ca/ve3fab/mount_douglas.html)

>

>

>

> Regards,

>

> Jerry Proc

>

> jerry.proc at sympatico.ca

>

> Web: [www.jproc.ca](http://www.jproc.ca)

>

>

>

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> -----  
> BoatAnchors mailing list

> BoatAnchors at [lists.theporch.com](mailto:lists.theporch.com)

> <https://lists.theporch.com/mailman/listinfo/boatanchors>

--

Al Klase ? N3FRQ

Jersey City, NJ

<http://www.skywaves.ar88.net/>

From ve7xf at shaw.ca Wed May 13 20:52:08 2020

From: ve7xf at shaw.ca (Ralph Parker)

Date: Wed, 13 May 2020 17:52:08 -0700

Subject: [BoatAnchors] DeoxIT dilution needed

In-Reply-To: <3A26B0EB-4AA7-4B2C-8601-E0440140C140@gmail.com>

References: <5E99B689.4000507@kk5im.com>

<3A26B0EB-4AA7-4B2C-8601-E0440140C140@gmail.com>

Message-ID: <3cecb83a-9c0f-b063-29dd-82a572f36615@shaw.ca>

My little bottle of DeoxIT (with the needle applicator) is finally empty. Real handy for small applications in tight places. The bottle says: "Contains 5% DeoxIT 100L, 95% petroleum naphtha". It's the same concentration as the spray cans, but easier to use.

I do have a bottle of 100% DeoxIT 100L that I'd like to dilute to refill my needle applicator. I've tried to find 'petroleum naphtha' in my small town, with no success. Does it have a more common name? Are there any substitutes?

All suggestions gratefully received. My BA switches will love you.

VE7XF

From rbsingl at ilstu.edu Wed May 13 21:04:35 2020

From: rbsingl at ilstu.edu (Singley, Rodger)

Date: Thu, 14 May 2020 01:04:35 +0000

Subject: [BoatAnchors] DeoxIT dilution needed

In-Reply-To: <3cecb83a-9c0f-b063-29dd-82a572f36615@shaw.ca>

References: <5E99B689.4000507@kk5im.com>

<3A26B0EB-4AA7-4B2C-8601-E0440140C140@gmail.com>

<3cecb83a-9c0f-b063-29dd-82a572f36615@shaw.ca>

Message-ID:

<DM5PR03MB28289B0AB804E8D115AFB6E2B8BC0@DM5PR03MB2828.namprd03.prod.outlook.com>

It is commonly used as paint thinner. Naphtha can be made from many sources and it is unlikely that the source has to be petroleum, it is just one of the more common sources since naphtha is an intermediate between heavier kerosene and more volatile gasoline and is the result of many refining processes making it readily available and fairly inexpensive as a manufacturing ingredient.

I would check available paint thinners in your town and find the one that has the least other additives, the MSDS available online will provide more details than what is typically shown on the container.

I suspect kerosene would also work fine for your use, it will evaporate almost as rapidly as naphtha.

Rodger WQ9E

-----Original Message-----

From: BoatAnchors <boatanchors-bounces at lists.theporch.com> On Behalf Of Ralph

Parker via BoatAnchors

Sent: Wednesday, May 13, 2020 7:52 PM

To: BoatAnchors <boatanchors at lists.theporch.com>

Cc: Ralph Parker <ve7xf at shaw.ca>

Subject: [BoatAnchors] DeoxIT dilution needed

From arc5 at ix.netcom.com Wed May 13 21:21:30 2020

From: arc5 at ix.netcom.com (David Stinson)

Date: Wed, 13 May 2020 20:21:30 -0500

Subject: [BoatAnchors] DeoxIT dilution needed

In-Reply-To:

<DM5PR03MB28289B0AB804E8D115AFB6E2B8BC0@DM5PR03MB2828.namprd03.prod.outlook.com>

References: <5E99B689.4000507@kk5im.com>

<3A26B0EB-4AA7-4B2C-8601-E0440140C140@gmail.com>

<3cecb83a-9c0f-b063-29dd-82a572f36615@shaw.ca>

<DM5PR03MB28289B0AB804E8D115AFB6E2B8BC0@DM5PR03MB2828.namprd03.prod.outlook.com>

Message-ID: <a635c4c4-bda3-6bfb-fbcf-0dea89dafd0a@ix.netcom.com>

Isn't Rohnson Lighter Fluid you can buy at the tobacco counter at WalMart, naphtha?

I buy it there and use it for cleaning regularly.? Just keep flame away.

On 5/13/2020 8:04 PM, Singley, Rodger via BoatAnchors wrote:

> It is commonly used as paint thinner. Naphtha can be made from many sources and it is unlikely that the source has to be petroleum, it is just one of the more common sources since naphtha is an intermediate between heavier kerosene and more volatile gasoline and is the result of many refining processes making it readily available and fairly inexpensive as a manufacturing ingredient.

>

> I would check available paint thinners in your town and find the one that has the least other additives, the MSDS available online will provide more details than what is typically shown on the container.

>

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>

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>

> -----Original Message-----

> From: BoatAnchors <boatanchors-bounces at lists.theporch.com> On Behalf Of Ralph Parker via BoatAnchors

> Sent: Wednesday, May 13, 2020 7:52 PM

> To: BoatAnchors <boatanchors at lists.theporch.com>

> Cc: Ralph Parker <ve7xf at shaw.ca>

> Subject: [BoatAnchors] DeoxIT dilution needed

>

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> -----  
> BoatAnchors mailing list  
> BoatAnchors at lists.theporch.com  
> <https://lists.theporch.com/mailman/listinfo/boatanchors>

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This email has been checked for viruses by Avast antivirus software.  
<https://www.avast.com/antivirus>

From 1oldlens1 at ix.netcom.com Wed May 13 22:22:42 2020  
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)  
Date: Wed, 13 May 2020 19:22:42 -0700  
Subject: [BoatAnchors] DeoxIT dilution needed  
In-Reply-To: <3cecb83a-9c0f-b063-29dd-82a572f36615@shaw.ca>  
References: <5E99B689.4000507@kk5im.com>  
<3A26B0EB-4AA7-4B2C-8601-E0440140C140@gmail.com>  
<3cecb83a-9c0f-b063-29dd-82a572f36615@shaw.ca>  
Message-ID: <0f357f82-00d5-9430-e1f5-44c9c1936721@ix.netcom.com>

?? AKA Zippo or Ronsonol lighter fluid. Also sold in hardware stores as Naphtha although now you have to be careful you get naphtha and not some mixture of stuff sold as Naphtha substitute. Also Coleman lantern fuel. Is either pure naphtha or pretty much the same. The lighter fluid is more expensive than bulk at the hardware store but seems to be pure.

?? Naphtha is a somewhat flexible term. A google search will show it can be several different things including "white gasoline".

On 5/13/2020 5:52 PM, Ralph Parker via BoatAnchors wrote:

> My little bottle of DeoxIT (with the needle applicator) is  
> finally empty. Real handy for small applications in tight places.  
> The bottle says: "Contains 5% DeoxIT 100L, 95% petroleum  
> naphtha". It's the same concentration as the spray cans, but  
> easier to use.

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> I do have a bottle of 100% DeoxIT 100L that I'd like to dilute  
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> I've tried to find 'petroleum naphtha' in my small town, with  
> no success.

> Does it have a more common name? Are there any substitutes?

>

> All suggestions gratefully received. My BA switches will love you.

>

> VE7XF

>

> -----

> BoatAnchors mailing list  
> BoatAnchors at lists.theporch.com  
> <https://lists.theporch.com/mailman/listinfo/boatanchors>

--

Richard Knoppow  
1oldlens1 at ix.netcom.com  
WB6KBL

From 1oldlens1 at ix.netcom.com Wed May 13 22:29:19 2020  
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)  
Date: Wed, 13 May 2020 19:29:19 -0700  
Subject: [BoatAnchors] DeoxIT dilution needed  
In-Reply-To: <3cecb83a-9c0f-b063-29dd-82a572f36615@shaw.ca>  
References: <5E99B689.4000507@kk5im.com>  
<3A26B0EB-4AA7-4B2C-8601-E0440140C140@gmail.com>  
<3cecb83a-9c0f-b063-29dd-82a572f36615@shaw.ca>  
Message-ID: <8c607f07-19eb-30fe-cb71-81a3e447b259@ix.netcom.com>

?? Also see Wikipedia  
<[https://en.wikipedia.org/wiki/Petroleum\\_benzine](https://en.wikipedia.org/wiki/Petroleum_benzine)>  
? Check your hardware, paint, hobby shop for VM&P Naphtha.

--

Richard Knoppow  
1oldlens1 at ix.netcom.com  
WB6KBL

From ghyoungman at gmail.com Wed May 13 22:32:25 2020  
From: ghyoungman at gmail.com (Grant Youngman)  
Date: Wed, 13 May 2020 22:32:25 -0400  
Subject: [BoatAnchors] DeoxIT dilution needed  
In-Reply-To: <8c607f07-19eb-30fe-cb71-81a3e447b259@ix.netcom.com>  
References: <5E99B689.4000507@kk5im.com>  
<3A26B0EB-4AA7-4B2C-8601-E0440140C140@gmail.com>  
<3cecb83a-9c0f-b063-29dd-82a572f36615@shaw.ca>  
<8c607f07-19eb-30fe-cb71-81a3e447b259@ix.netcom.com>  
Message-ID: <0FFD9EED-A13A-477D-B218-DD1B6A413A78@gmail.com>

And the plus is, you can use what's left over in the can to clean the road tar off  
you car :-)

Grant NQ5T

> On May 13, 2020, at 10:29 PM, Richard Knoppow via BoatAnchors <boatanchors at

lists.theporch.com> wrote:

>  
> Also see Wikipedia  
> <[https://en.wikipedia.org/wiki/Petroleum\\_benzine](https://en.wikipedia.org/wiki/Petroleum_benzine)>  
> Check your hardware, paint, hobby shop for VM&P Naphtha.  
>  
>  
> --

From 1oldlens1 at ix.netcom.com Wed May 13 22:37:54 2020

From: 1oldlens1 at ix.netcom.com (Richard Knoppow)

Date: Wed, 13 May 2020 19:37:54 -0700

Subject: [BoatAnchors] DeoxIT dilution needed

In-Reply-To: <0FFD9EED-A13A-477D-B218-DD1B6A413A78@gmail.com>

References: <5E99B689.4000507@kk5im.com>

<3A26B0EB-4AA7-4B2C-8601-E0440140C140@gmail.com>

<3cecb83a-9c0f-b063-29dd-82a572f36615@shaw.ca>

<8c607f07-19eb-30fe-cb71-81a3e447b259@ix.netcom.com>

<0FFD9EED-A13A-477D-B218-DD1B6A413A78@gmail.com>

Message-ID: <36562180-883f-40f2-2eda-7f8bc53280ca@ix.netcom.com>

?? Naphtha is quite a useful cleaning solvent. It does not attack many plastics or paints. The pure stuff evaporates without any residue. I've used it for cleaning camera shutters and other fine machinery. Good for cleaning the type on typewriters. Be careful of it because it is very inflammable.

On 5/13/2020 7:32 PM, Grant Youngman via BoatAnchors wrote:

> And the plus is, you can use what's left over in the can to clean the road tar off you car :-)

>

> Grant NQ5T

>

>> On May 13, 2020, at 10:29 PM, Richard Knoppow via BoatAnchors <boatanchors at lists.theporch.com> wrote:

>>

>> Also see Wikipedia

>> <[https://en.wikipedia.org/wiki/Petroleum\\_benzine](https://en.wikipedia.org/wiki/Petroleum_benzine)>

>> Check your hardware, paint, hobby shop for VM&P Naphtha.

>>

>>

>> --

>

> -----

> BoatAnchors mailing list

> BoatAnchors at lists.theporch.com

> <https://lists.theporch.com/mailman/listinfo/boatanchors>

--

Richard Knoppow  
1oldlens1 at ix.netcom.com  
WB6KBL

From gumbear at pacbell.net Wed May 13 23:03:42 2020  
From: gumbear at pacbell.net (Arden Allen)  
Date: Wed, 13 May 2020 20:03:42 -0700  
Subject: [BoatAnchors] DeoxIT dilution needed  
In-Reply-To:  
<DM5PR03MB28289B0AB804E8D115AFB6E2B8BC0@DM5PR03MB2828.namprd03.prod.outlook.com>  
References: <5E99B689.4000507@kk5im.com>  
<3A26B0EB-4AA7-4B2C-8601-E0440140C140@gmail.com>  
<3cecb83a-9c0f-b063-29dd-82a572f36615@shaw.ca>  
<DM5PR03MB28289B0AB804E8D115AFB6E2B8BC0@DM5PR03MB2828.namprd03.prod.outlook.com>  
Message-ID: <525F48DF4408418495F4702373D419D9@Lenovo>

Purity would be my concern. You don't want your switches to be coated with distillates that dry like varnish. Maybe reagent quality stuff from a chem distributor would be best (but expensive).

Arden Allen  
KB6NAX

-----Original Message-----

From: Singley, Rodger via BoatAnchors  
Sent: Wednesday, May 13, 2020 6:04 PM  
To: Ham radios with tubes  
Cc: Singley, Rodger  
Subject: Re: [BoatAnchors] DeoxIT dilution needed

It is commonly used as paint thinner. Naphtha can be made from many sources and it is unlikely that the source has to be petroleum, it is just one of the more common sources since naphtha is an intermediate between heavier kerosene and more volatile gasoline and is the result of many refining processes making it readily available and fairly inexpensive as a manufacturing ingredient.

I would check available paint thinners in your town and find the one that has the least other additives, the MSDS available online will provide more details than what is typically shown on the container.

I suspect kerosene would also work fine for your use, it will evaporate almost as rapidly as naphtha.

Rodger WQ9E

-----Original Message-----

From: BoatAnchors <boatanchors-bounces at lists.theporch.com> On Behalf Of  
Ralph Parker via BoatAnchors  
Sent: Wednesday, May 13, 2020 7:52 PM  
To: BoatAnchors <boatanchors at lists.theporch.com>  
Cc: Ralph Parker <ve7xf at shaw.ca>  
Subject: [BoatAnchors] DeoxIT dilution needed

-----  
BoatAnchors mailing list  
BoatAnchors at lists.theporch.com  
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From k1lky68 at gmail.com Thu May 14 23:51:05 2020  
From: k1lky68 at gmail.com (Roy Morgan)  
Date: Thu, 14 May 2020 23:51:05 -0400  
Subject: [BoatAnchors] DeoxIT dilution needed  
In-Reply-To: <3cecb83a-9c0f-b063-29dd-82a572f36615@shaw.ca>  
References: <5E99B689.4000507@kk5im.com>  
<3A26B0EB-4AA7-4B2C-8601-E0440140C140@gmail.com>  
<3cecb83a-9c0f-b063-29dd-82a572f36615@shaw.ca>  
Message-ID: <5B68CF32-C29E-470E-A02C-5FA9972B8FC2@gmail.com>

Naptha is likely available in the paint section of your home store, called  
VMandP Naptha. (That means Varnish Maker and Painter?s)

At Home Depot:  
Klean-Strip 1 qt. Varnish Maker and Painter's Naphtha  
Model# QVM46  
\$8.97

At Benjamin Moore Paint stores:

(All I can find on their website is paints - go to the store and ask.)

At Aubuchon Hardware Stores:

W.m. Barr Branded Sales  
Klean Strip QVM46 Naphtha Thinner, 1 qt Can  
"VM&P Naptha"  
618029  
\$9.99



NOTE: IF this version of Naptha has other ingredients, I did not discover that.  
You may want to find the MSDS for this product.

> On May 13, 2020, at 8:52 PM, Ralph Parker via BoatAnchors <boatanchors at lists.theporch.com> wrote:

>

> My little bottle of DeoxIT (with the needle applicator) is finally empty. ...

> The bottle says: "Contains 5% DeoxIT 100L, 95% petroleum naphtha??.

> I've tried to find 'petroleum naphtha' in my small town, with no success.

> Does it have a more common name? Are there any substitutes?

Roy Morgan  
K1LKY since 1958  
k1lky68 at gmail.com

From ve7xf at shaw.ca Fri May 15 17:38:35 2020

From: ve7xf at shaw.ca (Ralph Parker)

Date: Fri, 15 May 2020 14:38:35 -0700

Subject: [BoatAnchors] DeoxIT dilution

In-Reply-To: <525F48DF4408418495F4702373D419D9@Lenovo>

References: <5E99B689.4000507@kk5im.com>

<3A26B0EB-4AA7-4B2C-8601-E0440140C140@gmail.com>

<3cecb83a-9c0f-b063-29dd-82a572f36615@shaw.ca>

<DM5PR03MB28289B0AB804E8D115AFB6E2B8BC0@DM5PR03MB2828.namprd03.prod.outlook.com>

<525F48DF4408418495F4702373D419D9@Lenovo>

Message-ID: <a67a3452-9146-9eb7-4540-20a52e7e5be4@shaw.ca>

Tnx all for your suggestions and comments.

I was going to get some Ronsonol lighter fluid (some say current product has little naphtha), but I'll first take Roy's suggestion and check with the paint dept at my local H.D.

VE7XF since 1968 (VE4SX in 1954)

From 1oldlens1 at ix.netcom.com Fri May 15 23:40:38 2020

From: 1oldlens1 at ix.netcom.com (Richard Knoppow)

Date: Fri, 15 May 2020 20:40:38 -0700

Subject: [BoatAnchors] DeoxIT dilution

In-Reply-To: <a67a3452-9146-9eb7-4540-20a52e7e5be4@shaw.ca>

References: <5E99B689.4000507@kk5im.com>

<3A26B0EB-4AA7-4B2C-8601-E0440140C140@gmail.com>  
<3cecb83a-9c0f-b063-29dd-82a572f36615@shaw.ca>  
<DM5PR03MB28289B0AB804E8D115AFB6E2B8BC0@DM5PR03MB2828.namprd03.prod.outlook.com>  
<525F48DF4408418495F4702373D419D9@Lenovo>  
<a67a3452-9146-9eb7-4540-20a52e7e5be4@shaw.ca>  
Message-ID: <4ba9f631-609e-8f64-42c2-f80107e86eb6@ix.netcom.com>

?? I looked at several current MSDS for Ronsonol, all say its naphtha. People claim all sorts of things on the web.

?? You can get naphtha cheaper in larger quantity at the hardware or paint store. Sometimes labled VM&P Naphtha. Means Varnish Makers and Painters. Again, look up the MSDS for the brand to make sure of what is in it. Also, look up Deoxit D-5 to see what solvents it contains. They do not list the "secret" ingredient but the solvent and propellants are listed.

On 5/15/2020 2:38 PM, Ralph Parker via BoatAnchors wrote:

> Tnx all for your suggestions and comments.  
> I was going to get some Ronsonol lighter fluid (some say  
> current product has little naphtha), but I'll first take Roy's  
> suggestion and check with the paint dept at my local H.D.  
>  
> VE7XF since 1968 (VE4SX in 1954)

--

Richard Knoppow  
1oldlens1 at ix.netcom.com  
WB6KBL

From jerry.proc at sympatico.ca Sun May 17 11:20:47 2020  
From: jerry.proc at sympatico.ca (Jerry Proc)  
Date: Sun, 17 May 2020 11:20:47 -0400  
Subject: [BoatAnchors] MCW and Power Output  
Message-ID: <010e01d62c5e\$be042920\$3a0c7b60\$@proc@sympatico.ca>

Hello Everyone,

I was provided with the following specification for the Marconi Reliance transmitter:

Power out CW 100 watts , MCW 120 watts.

This emergency shipboard transmitter can operate in the following modes: CW  
or MCW

In all the instances where I have seen power output quoted for MCW mode, it is always lower than A1 mode.

Is this an error in the specification? Does MCW mode always produce less power than CW mode?

Regards,

Jerry Proc

jerry.proc at sympatico.ca

Web: [www.jproc.ca](http://www.jproc.ca)

From 1oldlens1 at ix.netcom.com Sun May 17 12:07:33 2020

From: 1oldlens1 at ix.netcom.com (Richard Knoppow)

Date: Sun, 17 May 2020 09:07:33 -0700

Subject: [BoatAnchors] MCW and Power Output

In-Reply-To: <010e01d62c5e\$be042920\$3a0c7b60\$@proc@sympatico.ca>

References: <010e01d62c5e\$be042920\$3a0c7b60\$@proc@sympatico.ca>

Message-ID: <4e22cf6d-6647-4079-1e7a-dadc8bebf5b4@ix.netcom.com>

?? I think it depends on what exactly they are specifying. To me MCW means an AM signal which is keyed, i.e. non constant carrier.? One can send code as a keyed \_modulation\_ with constant carrier but I think in this case the whole signal was keyed. I wonder how they created the modulation. There were emergency transmitters that just chopped the DC to the amplifier stage. If the specs include both carrier and full modulation they could be larger than the carrier alone. Of course, MCW was used because it can be detected on a simple crystal receiver without a BFO or chopper. It was preferred for disaster communication on 500Khz.

However, it does look odd, it seems like it should be the other way.

On 5/17/2020 8:20 AM, Jerry Proc wrote:

> Hello Everyone,

>

>

>

> I was provided with the following specification for the Marconi Reliance  
> transmitter:

>

>

>

> Power out CW 100 watts , MCW 120 watts.

>

> This emergency shipboard transmitter can operate in the following modes: CW  
> or MCW

>

>

>

> In all the instances where I have seen power output quoted for MCW mode, it  
> is always lower than A1 mode.

>

> Is this an error in the specification? Does MCW mode always produce less  
> power than CW mode?

>

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>

>

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>

>

>

>

>

> Regards,

>

> Jerry Proc

>

> jerry.proc at sympatico.ca

>

> Web: [www.jproc.ca](http://www.jproc.ca)

>

>

>

>

> -----  
> BoatAnchors mailing list

> BoatAnchors at [lists.theporch.com](mailto:lists.theporch.com)

> <https://lists.theporch.com/mailman/listinfo/boatanchors>

--

Richard Knoppow  
1oldlens1 at ix.netcom.com  
WB6KBL

From gumbear at pacbell.net Sun May 17 12:16:12 2020  
From: gumbear at pacbell.net (Arden Allen)  
Date: Sun, 17 May 2020 09:16:12 -0700  
Subject: [BoatAnchors] MCW and Power Output  
In-Reply-To: <010e01d62c5e\$be042920\$3a0c7b60\$@proc@sympatico.ca>  
References: <010e01d62c5e\$be042920\$3a0c7b60\$@proc@sympatico.ca>  
Message-ID: <420A7B3F85CF468192AE2E11F3C8D3DA@Lenovo>

Depends on the method of modulation. Grid modulation will typically reduce power. Plate modulation increases power.

Arden Allen  
KB6NAX

-----Original Message-----

From: Jerry Proc  
Sent: Sunday, May 17, 2020 8:20 AM  
To: boatanchors at lists.theporch.com  
Subject: [BoatAnchors] MCW and Power Output

Hello Everyone,

I was provided with the following specification for the Marconi Reliance transmitter:

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Regards,

Jerry Proc

jerry.proc at sympatico.ca

Web: www.jproc.ca

---

BoatAnchors mailing list  
BoatAnchors at lists.theporch.com  
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From k1lky68 at gmail.com Sun May 17 12:33:09 2020  
From: k1lky68 at gmail.com (Roy Morgan)  
Date: Sun, 17 May 2020 12:33:09 -0400  
Subject: [BoatAnchors] MCW and Power Output  
In-Reply-To: <5ec15672.1c69fb81.c1f2b.a1a4SMTPIN\_ADDED\_BROKEN@mx.google.com>  
References: <5ec15672.1c69fb81.c1f2b.a1a4SMTPIN\_ADDED\_BROKEN@mx.google.com>  
Message-ID: <1119D823-DF55-4E68-827E-FDA83A18F30D@gmail.com>

Jerry,

It \*may\* depend on how the MCW is generated.

Case in point is the G0-9 transmitter with an 803 in the final. MCW mode is created by DISCONNECTING the high voltage filter capacitor. The thing runs on 800 cycle AC, so you get a very loud 800 cycle modulation.

It's possible that the high voltage would rise when you disconnect the filter capacitor, and only a filter choke remains (I am not sure if there is a filter choke), resulting in higher output all other settings being the same.

Roy

> On May 17, 2020, at 11:20 AM, Jerry Proc <jerry.proc at sympatico.ca> wrote:  
>  
> Hello Everyone,  
> ...  
> In all the instances where I have seen power output quoted for MCW mode, it  
> is always lower than A1 mode.  
>  
> Is this an error in the specification? Does MCW mode always produce less  
> power than CW mode?  
>

Roy Morgan  
K1LKY since 1958  
k1lky68 at gmail.com

From wlfuqu00 at uky.edu Sun May 17 13:34:28 2020  
From: wlfuqu00 at uky.edu (Fuqua, William)  
Date: Sun, 17 May 2020 17:34:28 +0000  
Subject: [BoatAnchors] MCW and Power Output  
In-Reply-To: <1119D823-DF55-4E68-827E-FDA83A18F30D@gmail.com>  
References: <5ec15672.1c69fb81.c1f2b.a1a4SMTPIN\_ADDED\_BROKEN@mx.google.com>,  
<1119D823-DF55-4E68-827E-FDA83A18F30D@gmail.com>  
Message-ID:  
<BN7PR03MB4499DC8E37EF01CED3F05D1ECBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>

The modulation frequency would be 2X the AC supply frequency. It only had a single filter capacitor in plate supply and no inductor.

---

From: BoatAnchors <boatanchors-bounces at lists.theporch.com> on behalf of Roy Morgan via BoatAnchors <boatanchors at lists.theporch.com>  
Sent: Sunday, May 17, 2020 12:33 PM  
To: Ham radios with tubes <boatanchors at lists.theporch.com>  
Cc: Roy Morgan <k1lky68 at gmail.com>  
Subject: Re: [BoatAnchors] MCW and Power Output

CAUTION: External Sender

Jerry,

It \*may\* depend on how the MCW is generated.

Case in point is the G0-9 transmitter with an 803 in the final. MCW mode is created by DISCONNECTING the high voltage filter capacitor. The thing runs on 800 cycle AC, so you get a very loud 800 cycle modulation.

It's possible that the high voltage would rise when you disconnect the filter capacitor, and only a filter choke remains (I am not sure if there is a filter choke), resulting in higher output all other settings being the same.

Roy

```
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> Hello Everyone,
> ...
> In all the instances where I have seen power output quoted for MCW mode, it
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>
> Is this an error in the specification? Does MCW mode always produce less
> power than CW mode?
>
```

Roy Morgan  
K1LKY since 1958  
k1lky68 at gmail.com

---

BoatAnchors mailing list  
BoatAnchors at lists.theporch.com  
<https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Flists.theporch.com%2Fmailman%2Flistinfo%2Fboatanchors&data=02%7C01%7Cwlfluqu00%40uky.edu%7Ce818323677be4fa90cf108d7fa7ffff0%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637253299975323668&data=JFEESwjOVQMIX8Wd7lc7WrIJw%2Bv%2Ffly%2BuPf1%2BEPFjwY%3D&reserved=0>

From jerry.proc at sympatico.ca Sun May 17 14:27:01 2020  
From: jerry.proc at sympatico.ca (Jerry Proc)  
Date: Sun, 17 May 2020 14:27:01 -0400  
Subject: [BoatAnchors] MCW and Power Output  
In-Reply-To: <420A7B3F85CF468192AE2E11F3C8D3DA@Lenovo>  
References: <010e01d62c5e\$be042920\$3a0c7b60\$@proc@sympatico.ca>



<420A7B3F85CF468192AE2E11F3C8D3DA@Lenovo>

Message-ID: <012e01d62c78\$c24e0900\$46ea1b00\$@proc@sympatico.ca>

Hi Arden,

Yes that's it...confirmed with a textbook. I had forgotten most of my modulator theory so this was a good opportunity to rediscover forgotten knowledge.

BTW in some transmitters, the MCW signal is generated by a separate audio oscillartor.

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On Behalf Of Arden Allen via BoatAnchors

Sent: Sunday, May 17, 2020 12:16 PM

To: boatanchors at lists.theporch.com

Cc: Arden Allen

Subject: Re: [BoatAnchors] MCW and Power Output

Depends on the method of modulation. Grid modulation will typically reduce power. Plate modulation increases power.

Arden Allen

KB6NAX

-----Original Message-----

From: Jerry Proc

Sent: Sunday, May 17, 2020 8:20 AM

To: boatanchors at lists.theporch.com

Subject: [BoatAnchors] MCW and Power Output

Hello Everyone,

I was provided with the following specification for the Marconi Reliance transmitter:

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Is this an error in the specification? Does MCW mode always produce less power than CW mode?

Regards,

Jerry Proc

jerry.proc at sympatico.ca

Web: www.jproc.ca

---

BoatAnchors mailing list  
BoatAnchors at lists.theporch.com  
<https://lists.theporch.com/mailman/listinfo/boatanchors>

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BoatAnchors mailing list  
BoatAnchors at lists.theporch.com  
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From k1lky68 at gmail.com Sun May 17 15:14:24 2020  
From: k1lky68 at gmail.com (Roy Morgan)  
Date: Sun, 17 May 2020 15:14:24 -0400  
Subject: [BoatAnchors] MCW and Power Output  
In-Reply-To:  
<BN7PR03MB4499DC8E37EF01CED3F05D1ECBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>  
References: <5ec15672.1c69fb81.c1f2b.a1a4SMTPIN\_ADDED\_BROKEN@mx.google.com>  
<1119D823-DF55-4E68-827E-FDA83A18F30D@gmail.com>  
<BN7PR03MB4499DC8E37EF01CED3F05D1ECBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>  
Message-ID: <5FF16674-E65F-425C-BBB9-33FA045DB31F@gmail.com>

Bill and others,

Indeed, the un-filtred plate supply would have 1600 cps major component. I wonder if there is a significant component of that haft-wave rectified waveform at 800 cycles.

In the similar TBW transmitter, in MCW mode the finals are modulated at their suppressor grids from a tap on one of the 800 cycle power transformers.

Note that the RAL shipboard receiver in wide use at that time has both a low pass audio filter, switchable, and a frequency selectable filter. Both have upper frequency limits of 1300 cycles. The RAK, low frequency receiver has a similar selectable frequency audio filter, though the low pass filter operates below 1200 cycles.

The AC running all the transformers in the GO-9 transmitter in an aircraft would come from an 800 cps 115 volt single phase inverter called the 800-1. And the schematic shows NO filter reactor/choke. The plate supply HV filter cap is 3 uF, 2000 volts, ?Oil Filled?.

> On May 17, 2020, at 1:34 PM, Fuqua, William <wlfuqu00 at uky.edu> wrote:

>

> The modulation frequency would be 2X the AC supply frequency. It only had a single filter capacitor in plate supply and no inductor.

Roy Morgan  
K1LK Y since 1958  
k1lky68 at gmail.com

From wlfuqu00 at uky.edu Sun May 17 15:27:13 2020

From: wlfuqu00 at uky.edu (Fuqua, William)

Date: Sun, 17 May 2020 19:27:13 +0000

Subject: [BoatAnchors] MCW and Power Output

In-Reply-To: <5FF16674-E65F-425C-BBB9-33FA045DB31F@gmail.com>

References: <5ec15672.1c69fb81.c1f2b.a1a4SMTPIN\_ADDED\_BROKEN@mx.google.com>

<1119D823-DF55-4E68-827E-FDA83A18F30D@gmail.com>

<BN7PR03MB4499DC8E37EF01CED3F05D1ECBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>,

<5FF16674-E65F-425C-BBB9-33FA045DB31F@gmail.com>

Message-ID:

<BN7PR03MB4499A3A88ECFDB4C70EE28E5CBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>

I don't see how you could get 800Hz. It is a full wave rectified power supply using a center-tapped transformer. The frequency components should be all even

harmonics and no fundamental.

I suspect that CW was mostly used since it would be much more effective for range than MCW. MCW would be a good choice if you were trying to get someones attention that may have receiver in AM mode, BFO off. And in AM you would have to be receiving the full voice bandwidth.

73

Bill wa4lav

-----  
From: BoatAnchors <boatanchors-bounces at lists.theporch.com> on behalf of Roy Morgan via BoatAnchors <boatanchors at lists.theporch.com>  
Sent: Sunday, May 17, 2020 3:14 PM  
To: Ham radios with tubes <boatanchors at lists.theporch.com>  
Cc: Roy Morgan <k1lky68 at gmail.com>  
Subject: Re: [BoatAnchors] MCW and Power Output

CAUTION: External Sender

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The AC running all the transformers in the G0-9 transmitter in an aircraft would come from an 800 cps 115 volt single phase inverter called the 800-1. And the schematic shows NO filter reactor/choke. The plate supply HV filter cap is 3 uF, 2000 volts, ?Oil Filled?.

> On May 17, 2020, at 1:34 PM, Fuqua, William <wlfluqu00 at uky.edu> wrote:

>

> The modulation frequency would be 2X the AC supply frequency. It only had a single filter capacitor in plate supply and no inductor.

Roy Morgan  
K1LKY since 1958  
k1lky68 at gmail.com

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BoatAnchors mailing list

BoatAnchors at lists.theporch.com

[https://nam04.safelinks.protection.outlook.com/?](https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Flists.theporch.com%2Fmailman%2Flistinfo%2Fboatanchors&data=02%7C01%7Cwlfluqu00%40uky.edu%7Cc930c3b307184837740c08d7fa9686b1%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637253396736555713&data=XU91F2sz12cZQFX94Yp%2BUYzF%2Bm6Q%2F%2F0mnHqalCxcqk8%3D&reserved=0)

[url=https%3A%2F%2Flists.theporch.com%2Fmailman%2Flistinfo%2Fboatanchors&data=02%7C01%7Cwlfluqu00%40uky.edu%7Cc930c3b307184837740c08d7fa9686b1%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637253396736555713&data=XU91F2sz12cZQFX94Yp%2BUYzF%2Bm6Q%2F%2F0mnHqalCxcqk8%3D&reserved=0](https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Flists.theporch.com%2Fmailman%2Flistinfo%2Fboatanchors&data=02%7C01%7Cwlfluqu00%40uky.edu%7Cc930c3b307184837740c08d7fa9686b1%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637253396736555713&data=XU91F2sz12cZQFX94Yp%2BUYzF%2Bm6Q%2F%2F0mnHqalCxcqk8%3D&reserved=0)

From gumbear at pacbell.net Sun May 17 16:55:40 2020

From: gumbear at pacbell.net (Arden Allen)

Date: Sun, 17 May 2020 13:55:40 -0700

Subject: [BoatAnchors] MCW and Power Output

In-Reply-To:

<BN7PR03MB4499A3A88ECFDB4C70EE28E5CBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>

References: <5ec15672.1c69fb81.c1f2b.a1a4SMTPIN\_ADDED\_BROKEN@mx.google.com>

<1119D823-DF55-4E68-827E-FDA83A18F30D@gmail.com>

<BN7PR03MB4499DC8E37EF01CED3F05D1ECBBB0@BN7PR03MB4499.namprd03.prod.outlook.com> ,

<5FF16674-E65F-425C-BBB9-33FA045DB31F@gmail.com>

<BN7PR03MB4499A3A88ECFDB4C70EE28E5CBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>

Message-ID: <86B6678FC2284AF197D55B1C61BBA6BA@Lenovo>

Here's the problem with 1600 Hz modulation: Auto-alarm distress signal reception requirement:

1) A1B; (2) A2B with a carrier modulated at any modulation percentage from 30 through 100 percent with any modulation frequency from 300 through 1350 Hertz; and (3) H2B with a carrier keyed and emitted at any power level from 3 through 6 decibels below peak envelope power, with any modulation frequency from 300 through 1350 Hertz.

<https://www.govinfo.gov/content/pkg/CFR-2000-title47-vol15/xml/CFR-2000-title47-vol15-sec80-259.xml>

800 Hz would be dandy. Not so 1600 Hz. I'm suggesting the filter capacitor disconnect method is for a half wave rectified B+ supply.

Arden

-----Original Message-----

From: Fuqua, William

Sent: Sunday, May 17, 2020 12:27 PM

To: Ham radios with tubes

Subject: Re: [BoatAnchors] MCW and Power Output

I don't see how you could get 800Hz. It is a full wave rectified power supply using a center-tapped transformer. The frequency components should be all even harmonics and no fundamental.

I suspect that CW was mostly used since it would be much more effective for range than MCW. MCW would be a good choice if you were trying to get someones attention that may have receiver in AM mode, BFO off. And in AM you would have to be receiving the full voice bandwidth.

73

Bill wa4lav

.....

From wlfuqu00 at uky.edu Sun May 17 19:01:00 2020

From: wlfuqu00 at uky.edu (Fuqua, William)

Date: Sun, 17 May 2020 23:01:00 +0000

Subject: [BoatAnchors] MCW and Power Output

In-Reply-To: <86B6678FC2284AF197D55B1C61BBA6BA@Lenovo>

References: <5ec15672.1c69fb81.c1f2b.a1a4SMTPIN\_ADDED\_BROKEN@mx.google.com>

<1119D823-DF55-4E68-827E-FDA83A18F30D@gmail.com>

<BN7PR03MB4499DC8E37EF01CED3F05D1ECBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>,

<5FF16674-E65F-425C-BBB9-33FA045DB31F@gmail.com>

<BN7PR03MB4499A3A88ECFDB4C70EE28E5CBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>,

<86B6678FC2284AF197D55B1C61BBA6BA@Lenovo>

Message-ID:

<BN7PR03MB44994BAB55D6EDDA6F885EDDCBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>

Anyone look at the schematic besides me? However, the schematic does indicate that the HV supply is 120VAC 600-800 Hz.

-----  
From: BoatAnchors <boatanchors-bounces at lists.theporch.com> on behalf of Arden Allen via BoatAnchors <boatanchors at lists.theporch.com>

Sent: Sunday, May 17, 2020 4:55 PM

To: Ham radios with tubes <boatanchors at lists.theporch.com>

Cc: Arden Allen <gumbear at pacbell.net>

Subject: Re: [BoatAnchors] MCW and Power Output

CAUTION: External Sender

Here's the problem with 1600 Hz modulation: Auto-alarm distress signal reception requirement:

1) A1B; (2) A2B with a carrier modulated at any modulation percentage from

30 through 100 percent with any modulation frequency from 300 through 1350 Hertz; and (3) H2B with a carrier keyed and emitted at any power level from 3 through 6 decibels below peak envelope power, with any modulation frequency from 300 through 1350 Hertz.

<https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.govinfo.gov%2Fcontent%2Fpkg%2FCFR-2000-title47-vol5%2Fxml%2FCFR-2000-title47-vol5-sec80-259.xml&data=02%7C01%7Cwlfluqu00%40uky.edu%7C260fd21ddb6343fb45ac08d7faa4dc56%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637253458296489782&sdata=BLs71eD%2FVozmpuNdbljljxUBe5c%2BYUsta%2FNQYPIB1CxIU%3D&reserved=0>

800 Hz would be dandy. Not so 1600 Hz. I'm suggesting the filter capacitor disconnect method is for a half wave rectified B+ supply.

Arden

-----Original Message-----

From: Fuqua, William  
Sent: Sunday, May 17, 2020 12:27 PM  
To: Ham radios with tubes  
Subject: Re: [BoatAnchors] MCW and Power Output

I don't see how you could get 800Hz. It is a full wave rectified power supply using a center-tapped transformer. The frequency components should be all even harmonics and no fundamental.

I suspect that CW was mostly used since it would be much more effective for range than MCW. MCW would be a good choice if you were trying to get someones attention that may have receiver in AM mode, BFO off. And in AM you would have to be receiving the full voice bandwidth.

73  
Bill wa4lav

.....

-----  
BoatAnchors mailing list  
BoatAnchors at [lists.theporch.com](mailto:lists.theporch.com)  
<https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Flists.theporch.com%2Fmailman%2Flistinfo%2Fboatanchors&data=02%7C01%7Cwlfluqu00%40uky.edu%7C260fd21ddb6343fb45ac08d7faa4dc56%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637253458296489782&sdata=k8F%2FHZkv0Spec%2FGuNDQ6tV04P19hY2Tb0M5Ff4Wq%2B6U%3D&reserved=0>

From gumbear at pacbell.net Sun May 17 19:17:08 2020  
From: gumbear at pacbell.net (Arden Allen)  
Date: Sun, 17 May 2020 16:17:08 -0700

Subject: [BoatAnchors] MCW and Power Output

In-Reply-To:

<BN7PR03MB44994BAB55D6EDDA6F885EDDCBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>

References: <5ec15672.1c69fb81.c1f2b.a1a4SMTPIN\_ADDED\_BROKEN@mx.google.com>

<1119D823-DF55-4E68-827E-FDA83A18F30D@gmail.com>

<BN7PR03MB4499DC8E37EF01CED3F05D1ECBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>,

<5FF16674-E65F-425C-BBB9-33FA045DB31F@gmail.com>

<BN7PR03MB4499A3A88ECFDB4C70EE28E5CBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>,

<86B6678FC2284AF197D55B1C61BBA6BA@Lenovo>

<BN7PR03MB44994BAB55D6EDDA6F885EDDCBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>

Message-ID: <8D3F9662E52F4F9EB901ABE22D9100D1@Lenovo>

Bill, I'm curious. Can you send me the schematic?

Arden

-----Original Message-----

From: Fuqua, William

Sent: Sunday, May 17, 2020 4:01 PM

To: Ham radios with tubes

Subject: Re: [BoatAnchors] MCW and Power Output

Anyone look at the schematic besides me? However, the schematic does indicate that the HV supply is 120VAC 600-800 Hz.

-----  
From: BoatAnchors <boatanchors-bounces at lists.theporch.com> on behalf of

Arden Allen via BoatAnchors <boatanchors at lists.theporch.com>

Sent: Sunday, May 17, 2020 4:55 PM

To: Ham radios with tubes <boatanchors at lists.theporch.com>

Cc: Arden Allen <gumbear at pacbell.net>

Subject: Re: [BoatAnchors] MCW and Power Output

CAUTION: External Sender

Here's the problem with 1600 Hz modulation: Auto-alarm distress signal reception requirement:

1) A1B; (2) A2B with a carrier modulated at any modulation percentage from 30 through 100 percent with any modulation frequency from 300 through 1350 Hertz; and (3) H2B with a carrier keyed and emitted at any power level from 3 through 6 decibels below peak envelope power, with any modulation frequency from 300 through 1350 Hertz.

[https://nam04.safelinks.protection.outlook.com/?](https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.govinfo.gov%2Fcontent%2Fpkg%2FCFR-2000-title47-)

[url=https%3A%2F%2Fwww.govinfo.gov%2Fcontent%2Fpkg%2FCFR-2000-title47-](https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.govinfo.gov%2Fcontent%2Fpkg%2FCFR-2000-title47-)



vol5%2Fxml%2FCFR-2000-title47-vol5-  
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dc56%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637253458296489782&sdata=BLs  
71eD%2FVozmpuNdbljxUBe5c%2BYUsta%2FNQYPIB1CxIU%3D&reserved=0

800 Hz would be dandy. Not so 1600 Hz. I'm suggesting the filter capacitor  
disconnect method is for a half wave rectified B+ supply.

Arden

-----Original Message-----

From: Fuqua, William

Sent: Sunday, May 17, 2020 12:27 PM

To: Ham radios with tubes

Subject: Re: [BoatAnchors] MCW and Power Output

I don't see how you could get 800Hz. It is a full wave rectified power  
supply using a center-tapped transformer. The frequency components should be  
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someones attention that may have receiver in AM mode, BFO off. And in AM you  
would have to be receiving the full voice bandwidth.

73

Bill wa4lav

.....

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BoatAnchors mailing list

BoatAnchors at lists.theporch.com

[https://nam04.safelinks.protection.outlook.com/?](https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Flists.theporch.com%2Fmailman%2Flistinfo%2Fboatanchors&data=02%7C01%7Cwlfuqu00%40uky.edu%7C260fd21ddb6343fb45ac08d7faa4dc56%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637253458296489782&sdata=k8F%2FHZkV0Spec%2FGuNDQ6tV04P19hY2Tb0M5Ff4Wq%2B6U%3D&reserved=0)

[url=https%3A%2F%2Flists.theporch.com%2Fmailman%2Flistinfo%2Fboatanchors&data=02%7C01%7Cwlfuqu00%40uky.edu%7C260fd21ddb6343fb45ac08d7faa4dc56%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637253458296489782&sdata=k8F%2FHZkV0Spec%2FGuNDQ6tV04P19hY2Tb0M5Ff4Wq%2B6U%3D&reserved=0](https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Flists.theporch.com%2Fmailman%2Flistinfo%2Fboatanchors&data=02%7C01%7Cwlfuqu00%40uky.edu%7C260fd21ddb6343fb45ac08d7faa4dc56%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637253458296489782&sdata=k8F%2FHZkV0Spec%2FGuNDQ6tV04P19hY2Tb0M5Ff4Wq%2B6U%3D&reserved=0)

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BoatAnchors mailing list

BoatAnchors at lists.theporch.com

<https://lists.theporch.com/mailman/listinfo/boatanchors>

From wa5cab at cs.com Mon May 18 04:13:36 2020

From: wa5cab at cs.com (Robert Downs)

Date: Mon, 18 May 2020 03:13:36 -0500

Subject: [BoatAnchors] MCW and Power Output

In-Reply-To:

<BN7PR03MB44994BAB55D6EDDA6F885EDDCBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>  
References: <5ec15672.1c69fb81.c1f2b.a1a4SMTPIN\_ADDED\_BROKEN@mx.google.com>  
<1119D823-DF55-4E68-827E-FDA83A18F30D@gmail.com>  
<BN7PR03MB4499DC8E37EF01CED3F05D1ECBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>,  
<5FF16674-E65F-425C-BBB9-33FA045DB31F@gmail.com>  
<BN7PR03MB4499A3A88ECFDB4C70EE28E5CBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>,  
<86B6678FC2284AF197D55B1C61BBA6BA@Lenovo>  
<BN7PR03MB44994BAB55D6EDDA6F885EDDCBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>  
Message-ID: <000001d62cec\$3b6001e0\$b22005a0\$@com>

Yes. The modulating frequency is clearly 1600 cps and its harmonics. The full wave rectifiers rectify the 800 cycle 120 VAC primary supply which has been stepped up by the transformer. This produces the typical wave form whose fundamental AC component is at a frequency of 1600 cps. If that won't trip some automatic alarm, then it just won't. But that's what it is.

The CW/MCW switch is a SPST in the negative or ground lead of the 3.0 ufd HV filter capacitor. There is no filter choke in the HV supply. There is one in the low B+ supply for the oscillator, buffer-multiplier and for the 803 screen and suppressor.

The schematic in the Westinghouse manual that I have just says 800 cps.

Robert Downs

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On Behalf Of Fuqua, William  
Sent: Sunday, May 17, 2020 18:01  
To: Ham radios with tubes  
Subject: Re: [BoatAnchors] MCW and Power Output

Anyone look at the schematic besides me? However, the schematic does indicate that the HV supply is 120VAC 600-800 Hz.

-----  
From: BoatAnchors <boatanchors-bounces at lists.theporch.com> on behalf of Arden Allen via BoatAnchors <boatanchors at lists.theporch.com>  
Sent: Sunday, May 17, 2020 4:55 PM  
To: Ham radios with tubes <boatanchors at lists.theporch.com>  
Cc: Arden Allen <gumbear at pacbell.net>  
Subject: Re: [BoatAnchors] MCW and Power Output

CAUTION: External Sender

Here's the problem with 1600 Hz modulation: Auto-alarm distress signal

reception requirement:

1) A1B; (2) A2B with a carrier modulated at any modulation percentage from 30 through 100 percent with any modulation frequency from 300 through 1350 Hertz; and (3) H2B with a carrier keyed and emitted at any power level from 3 through 6 decibels below peak envelope power, with any modulation frequency from 300 through 1350 Hertz.

<https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.govinfo.gov%2Fcontent%2Fpkg%2FCFR-2000-title47-vol5%2Fxml%2FCFR-2000-title47-vol5-sec80-259.xml&data=02%7C01%7Cwlifuqu00%40uky.edu%7C260fd21ddb6343fb45ac08d7faa4dc56%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637253458296489782&data=BLS71eD%2FVozmpuNdbljljxUBe5c%2BYUsta%2FNQYPIB1CxIU%3D&reserved=0>

800 Hz would be dandy. Not so 1600 Hz. I'm suggesting the filter capacitor disconnect method is for a half wave rectified B+ supply.

Arden

-----Original Message-----

From: Fuqua, William

Sent: Sunday, May 17, 2020 12:27 PM

To: Ham radios with tubes

Subject: Re: [BoatAnchors] MCW and Power Output

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Bill wa4lav

.....

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BoatAnchors mailing list

BoatAnchors at lists.theporch.com

<https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Flists.theporch.com%2Fmailman%2Flistinfo%2Fboatanchors&data=02%7C01%7Cwlifuqu00%40uky.edu%7C260fd21ddb6343fb45ac08d7faa4dc56%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637253458296489782&data=k8F%2FHZkV0Spec%2FGuNDQ6tV04P19hY2Tb0M5Ff4Wq%2B6U%3D&reserved=0>

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BoatAnchors mailing list

BoatAnchors at lists.theporch.com  
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From gumbear at pacbell.net Mon May 18 15:21:57 2020  
From: gumbear at pacbell.net (Arden Allen)  
Date: Mon, 18 May 2020 12:21:57 -0700  
Subject: [BoatAnchors] MCW and Power Output  
In-Reply-To: <000001d62cec\$3b6001e0\$b22005a0\$@com>  
References: <5ec15672.1c69fb81.c1f2b.a1a4SMTPIN\_ADDED\_BROKEN@mx.google.com>  
<1119D823-DF55-4E68-827E-FDA83A18F30D@gmail.com>  
<BN7PR03MB4499DC8E37EF01CED3F05D1ECBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>,  
<5FF16674-E65F-425C-BBB9-33FA045DB31F@gmail.com>  
<BN7PR03MB4499A3A88ECFDB4C70EE28E5CBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>,  
<86B6678FC2284AF197D55B1C61BBA6BA@Lenovo>  
<BN7PR03MB44994BAB55D6EDDA6F885EDDCBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>  
<000001d62cec\$3b6001e0\$b22005a0\$@com>  
Message-ID: <F0045B2D0EA54BEB9CB4DC76212E2B54@Lenovo>

With a 600Hz power supply the MCW modulation frequency would be 1200Hz so the auto-alarm would detect an SOS according to the spec.

Arden

-----Original Message-----

From: Robert Downs via BoatAnchors  
Sent: Monday, May 18, 2020 1:13 AM  
To: 'Ham radios with tubes'  
Cc: Robert Downs  
Subject: Re: [BoatAnchors] MCW and Power Output

Yes. The modulating frequency is clearly 1600 cps and its harmonics. The full wave rectifiers rectify the 800 cycle 120 VAC primary supply which has been stepped up by the transformer. This produces the typical wave form whose fundamental AC component is at a frequency of 1600 cps. If that won't trip some automatic alarm, then it just won't. But that's what it is.

The CW/MCW switch is a SPST in the negative or ground lead of the 3.0 ufd HV filter capacitor. There is no filter choke in the HV supply. There is one in the low B+ supply for the oscillator, buffer-multiplier and for the 803 screen and suppressor.

The schematic in the Westinghouse manual that I have just says 800 cps.

Robert Downs

.....

From wa5cab at cs.com Tue May 19 00:47:14 2020  
From: wa5cab at cs.com (Robert Downs)  
Date: Mon, 18 May 2020 23:47:14 -0500  
Subject: [BoatAnchors] MCW and Power Output  
In-Reply-To: <F0045B2D0EA54BEB9CB4DC76212E2B54@Lenovo>  
References: <5ec15672.1c69fb81.c1f2b.a1a4SMTPIN\_ADDED\_BROKEN@mx.google.com>  
<1119D823-DF55-4E68-827E-FDA83A18F30D@gmail.com>  
<BN7PR03MB4499DC8E37EF01CED3F05D1ECBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>,  
<5FF16674-E65F-425C-BBB9-33FA045DB31F@gmail.com>  
<BN7PR03MB4499A3A88ECFDB4C70EE28E5CBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>,  
<86B6678FC2284AF197D55B1C61BBA6BA@Lenovo>  
<BN7PR03MB44994BAB55D6EDDA6F885EDDCBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>  
<000001d62cec\$3b6001e0\$b22005a0\$@com>  
<F0045B2D0EA54BEB9CB4DC76212E2B54@Lenovo>  
Message-ID: <00c401d62d98\$91930a60\$b4b91f20\$@com>

Except that no one that I know of ever built thousands of 600 CPS pieces of equipment. As a practical matter, the Navy discovered the disadvantages of 800 cps power and everyone standardized on 400 CPS for aircraft and some shipboard power systems.

Robert Downs

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On Behalf Of Arden Allen via BoatAnchors  
Sent: Monday, May 18, 2020 14:22  
To: Ham radios with tubes  
Cc: Arden Allen  
Subject: Re: [BoatAnchors] MCW and Power Output

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Arden

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Sent: Monday, May 18, 2020 1:13 AM  
To: 'Ham radios with tubes'  
Cc: Robert Downs  
Subject: Re: [BoatAnchors] MCW and Power Output

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Robert Downs

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BoatAnchors mailing list  
BoatAnchors at lists.theporch.com  
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From thompson at mindspring.com Tue May 19 09:17:34 2020  
From: thompson at mindspring.com (Dave Thompson)  
Date: Tue, 19 May 2020 09:17:34 -0400 (GMT-04:00)  
Subject: [BoatAnchors] Questions on new Johnson boatanchor received  
Message-ID: <1934709664.1281.1589894255103@wamui-agami.atl.sa.earthlink.net>

Hello gang.

I recently got a Johnson Viking SSB adapter which was designed to match the Valiant II. I got the manual from Pete the manual man.

The question I have is there was no power supply to match. I can probably follow the manual and build a small supply but wonder if anyone has the actual supply.

I also need to know if there is a reflector for Johnson.

I find boatanchors is a good place to start projects.

73 Dave K4JRB

From rdavis7 at comcast.net Tue May 19 09:47:14 2020  
From: rdavis7 at comcast.net (Rick Davis)  
Date: Tue, 19 May 2020 09:47:14 -0400  
Subject: [BoatAnchors] Questions on new Johnson boatanchor received  
In-Reply-To: <1934709664.1281.1589894255103@wamui-agami.atl.sa.earthlink.net>  
References: <1934709664.1281.1589894255103@wamui-agami.atl.sa.earthlink.net>  
Message-ID: <9C98E2F9-BFE6-4202-A3BF-4F657D533005@comcast.net>

The adapter was designed to draw its power from the Valiant transmitter.

Sent from my iPad

> On May 19, 2020, at 9:17 AM, Dave Thompson via BoatAnchors <boatanchors at lists.theporch.com> wrote:

>

>

> Hello gang.

>

> I recently got a Johnson Viking SSB adapter with was designed to match thw Valiant II. I got the manual from Pete the manual man.

>

> The question I have is there was no power supply to match. I can probably follow the manual and build a small supply but wonder if anyone has the actual supply.

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> I find boatanchors is a good place to start projects.

>

> 73 Dave K4JRB

>

> -----  
> BoatAnchors mailing list

> BoatAnchors at lists.theporch.com

> <https://lists.theporch.com/mailman/listinfo/boatanchors>

From rbsingl at ilstu.edu Tue May 19 10:02:16 2020

From: rbsingl at ilstu.edu (Singley, Rodger)

Date: Tue, 19 May 2020 14:02:16 +0000

Subject: [BoatAnchors] Questions on new Johnson boatanchor received

In-Reply-To: <9C98E2F9-BFE6-4202-A3BF-4F657D533005@comcast.net>

References: <1934709664.1281.1589894255103@wamui-agami.atl.sa.earthlink.net>

<9C98E2F9-BFE6-4202-A3BF-4F657D533005@comcast.net>

Message-ID:

<DM5PR03MB2828BFB502F03E5698541D9B8B90@DM5PR03MB2828.namprd03.prod.outlook.com>

I believe you are thinking about the 6N2 transmitting converter, the Johnson SSB adapter (I have one) still requires the external power supply and was not meant to derive power from the transmitter.

The Valiant II comes with required connections for plugging in the SSB adapter, the Valiant 1 requires slight modification. Note that the VFO in the Valiant II has additional temperature compensation added, probably to allow it to work a bit better in SSB service.

Note that Johnson REALLY liked sheet beam mixer tubes in this design using three

7360 tubes that are now pricey. There are several potential substitutes that are much less expensive but require minor socket rewiring. I was fortunate that the previous owner of mine included several NOS spares.

Rodger WQ9E

-----Original Message-----

From: BoatAnchors <boatanchors-bounces at lists.theporch.com> On Behalf Of Rick Davis via BoatAnchors

Sent: Tuesday, May 19, 2020 8:47 AM

To: Dave Thompson <thompson at mindspring.com>; Ham radios with tubes <boatanchors at lists.theporch.com>

Cc: Rick Davis <rdavis7 at comcast.net>

Subject: Re: [BoatAnchors] Questions on new Johnson boatanchor received

[This message came from an external source. If suspicious, report to abuse at ilstu.edu<mailto:abuse at ilstu.edu>]

The adapter was designed to draw its power from the Valient transmitter.

From 1oldlens1 at ix.netcom.com Tue May 19 10:43:48 2020

From: 1oldlens1 at ix.netcom.com (Richard Knoppow)

Date: Tue, 19 May 2020 07:43:48 -0700

Subject: [BoatAnchors] Questions on new Johnson boatanchor received

In-Reply-To: <1934709664.1281.1589894255103@wamui-agami.atl.sa.earthlink.net>

References: <1934709664.1281.1589894255103@wamui-agami.atl.sa.earthlink.net>

Message-ID: <93123606-1e0d-da4e-b8d9-b58ea9034217@ix.netcom.com>

?? There is a Johnson list at:

<<http://mailman.qth.net/mailman/listinfo/johnson>>

I don't know about the Johnson adapter. I have one made by Barker & Williamson, they made two versions, one with a built in power supply and one meant to run from the transmitter it was used on. I wonder if Johnson did the same thing.

On 5/19/2020 6:17 AM, Dave Thompson via BoatAnchors wrote:

> Hello gang.

>

> I recently got a Johnson Viking SSB adapter with was designed to match thw Valiant II. I got the manual from Pete the manual man.

>

> The question I have is there was no power supply to match. I can probably follow the manual and build a small supply but wonder if anyone has the actual supply.

>



> I also need to know if there is a reflector for Johnson.  
>  
> I find boatanchors is a good place to start projects.  
>  
> 73 Dave K4JRB  
>

--  
Richard Knoppow  
1oldlens1 at ix.netcom.com  
WB6KBL

From k1lky68 at gmail.com Tue May 19 12:45:03 2020  
From: k1lky68 at gmail.com (Roy Morgan)  
Date: Tue, 19 May 2020 12:45:03 -0400  
Subject: [BoatAnchors] Questions on new Johnson boatanchor received  
In-Reply-To: <1934709664.1281.1589894255103@wamui-agami.atl.sa.earthlink.net>  
References: <1934709664.1281.1589894255103@wamui-agami.atl.sa.earthlink.net>  
Message-ID: <89148EA3-4813-45E2-881D-0B1493163A35@gmail.com>

Dave,

I think you will find that the thing is powered from the transmitter. Do check the instruction manual carefully and see if a power cable on the adapter matches up with the accessory socket on the Valiant. You may need to add an rf input jack to the Valiant.

There was, if I remember right, a similar 6 and 2 meter accessory called the 6n2 (?). To confuse matters, a similarly named standalone transmitter was offered, as well as a VFO for 6 and 2 meters.

For the Johnson mailing list see:  
[Http://mailman.qth.net/mailman/list/Johns](http://mailman.qth.net/mailman/list/Johns)

You will recognize some denizens of the NIST anchors list there.

Roy

Roy Morgan  
K1LKY Western Mass

> On May 19, 2020, at 9:17 AM, Dave Thompson via BoatAnchors <boatanchors at lists.theporch.com> wrote:  
>  
> ?  
> Hello gang.

>  
> I recently got a Johnson Viking SSB adapter with was designed to match thw  
Valiant II. I got the manual from Pete the manual man.  
>  
> The question I have is there was no power supply to match.  
> ...  
> I also need to know if there is a reflector for Johnson.

From thompson at mindspring.com Tue May 19 15:11:37 2020  
From: thompson at mindspring.com (Dave Thompson)  
Date: Tue, 19 May 2020 15:11:37 -0400 (GMT-04:00)  
Subject: [BoatAnchors] Questions on new Johnson boatanchor received  
Message-ID: <966444703.6659.1589915497798@wamui-agami.atl.sa.earthlink.net>

Thanks for all the info. The SSB Adapter does have its own power supply. Thanks  
for link to the johnson page. This is the first piece of Johnson gear except for  
the TR switch years ago. I did operate a Ranger I years ago and it was a  
performer.

73 Dave K4JRB

From mike\_25-z at aafradio.org Tue May 19 19:02:46 2020  
From: mike\_25-z at aafradio.org (aafradio)  
Date: Tue, 19 May 2020 19:02:46 -0400  
Subject: [BoatAnchors] MCW and Power Output  
In-Reply-To: <000001d62cec\$3b6001e0\$b22005a0\$@com>  
References: <5ec15672.1c69fb81.c1f2b.a1a4SMTPIN\_ADDED\_BROKEN@mx.google.com>  
<1119D823-DF55-4E68-827E-FDA83A18F30D@gmail.com>  
<BN7PR03MB4499DC8E37EF01CED3F05D1ECBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>  
<5FF16674-E65F-425C-BBB9-33FA045DB31F@gmail.com>  
<BN7PR03MB4499A3A88ECFDB4C70EE28E5CBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>  
<86B6678FC2284AF197D55B1C61BBA6BA@Lenovo>  
<BN7PR03MB44994BAB55D6EDDA6F885EDDCBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>  
<000001d62cec\$3b6001e0\$b22005a0\$@com>  
Message-ID: <58f8f56b-e25f-c6ad-72ad-5aa2685b4bb5@aafradio.org>

Perhaps the 600-800Hz power range on the G0-9 is included due to the  
variability of the engine generated? AC frequency.? The G0-9  
transformers needed a tad more iron to be able to stand the lower  
frequency without overheating for short periods when needed. Various  
systems were tried to provide a constant speed, but throughout the war  
the normal design goals for Navy engine driven AC generators were  
constant output voltage, regardless of output frequency or load current  
- at least within the published range. That made the avionics forced to  
share the same range for expediency.

You're dead right, Robert - the earlier Navy "standard" was 800Hz, but Chart 2 of the Sept 1945 Airborne Electrical Maintenance Notes that I posted on my website a couple of years ago shows the frequency range of the standard engine AC generators for the nominal 800Hz frequency on page 1-2.? I would post the clip here but this group doesn't permit images.

<https://aafradio.org/docs/AEMN-1.pdf> (25MB download) is the source.

The NEA-1 through -7 series of AC generators listed there have an output frequency of between 800 and 1,600Hz based on a multiple of engine RPM (4,400 to 8,000 input spline RPM for the NEA-5, a typical workhorse in the aircraft fleet\*), but presumably would provide some reduced power at less than 4,400RPM in an emergency.

Anyway, it would appear that the sorta standard 400-1600Hz and 800-1600Hz allowable frequency range tags on many of the pieces of avionics equipment in most WWII collections were intended to permit such wide variations in supply power frequency that might occur in normal (or even abnormal) flight operation.

\*A later note about the NEA-5 states that its output frequency at 4,400RPM was 880Hz and at 8,000RPM it was 1,600Hz.

??????? 73,  
?- Mike? KC4TOS

On 5/18/2020 4:13 AM, Robert Downs via BoatAnchors wrote:

> Yes. The modulating frequency is clearly 1600 cps and its harmonics. The  
> full wave rectifiers rectify the 800 cycle 120 VAC primary supply which has  
> been stepped up by the transformer. This produces the typical wave form  
> whose fundamental AC component is at a frequency of 1600 cps. If that won't  
> trip some automatic alarm, the it just won't. But that's what it is.  
>  
> The CW/MCW switch is a SPST in the negative or ground lead of the 3.0 ufd HV  
> filter capacitor. There is no filter choke in the HV supply. There is one  
> in the low B+ supply for the oscillator, buffer-multiplier and for the 803  
> screen and suppressor.  
>  
> The schematic in the Westinghouse manual that I have just says 800 cps.  
>  
> Robert Downs  
>  
> -----Original Message-----  
> From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On Behalf  
> Of Fuqua, William  
> Sent: Sunday, May 17, 2020 18:01  
> To: Ham radios with tubes  
> Subject: Re: [BoatAnchors] MCW and Power Output

>  
> Anyone look at the schematic besides me? However, the schematic does  
> indicate that the HV supply is 120VAC 600-800 Hz.  
>  
>  
>  
> -----  
> From: BoatAnchors <boatanchors-bounces at lists.theporch.com> on behalf of  
> Arden Allen via BoatAnchors <boatanchors at lists.theporch.com>  
> Sent: Sunday, May 17, 2020 4:55 PM  
> To: Ham radios with tubes <boatanchors at lists.theporch.com>  
> Cc: Arden Allen <gumbear at pacbell.net>  
> Subject: Re: [BoatAnchors] MCW and Power Output  
>  
> CAUTION: External Sender  
>  
>  
> Here's the problem with 1600 Hz modulation: Auto-alarm distress signal  
> reception requirement:  
>  
> 1) A1B; (2) A2B with a carrier modulated at any modulation percentage from  
> 30 through 100 percent with any modulation frequency from 300 through 1350  
> Hertz; and (3) H2B with a carrier keyed and emitted at any power level from  
> 3 through 6 decibels below peak envelope power, with any modulation  
> frequency from 300 through 1350 Hertz.  
>  
> <https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.govinfo.gov%2Fcontent%2Fpkg%2FCFR-2000-title47-vol5%2Fxml%2FCFR-2000-title47-vol5-sec80-259.xml&data=02%7C01%7Cw1fuqu00%40uky.edu%7C260fd21ddb6343fb45ac08d7faa4dc56%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637253458296489782&amp;sdata=BLs71eD%2FVozmpuNdblJxUBe5c%2BYUsta%2FNQYPIB1CxIU%3D&amp;reserved=0>  
>  
> 800 Hz would be dandy. Not so 1600 Hz. I'm suggesting the filter capacitor  
> disconnect method is for a half wave rectified B+ supply.  
>  
> Arden  
>  
> -----Original Message-----  
> From: Fuqua, William  
> Sent: Sunday, May 17, 2020 12:27 PM  
> To: Ham radios with tubes  
> Subject: Re: [BoatAnchors] MCW and Power Output  
>  
> I don't see how you could get 800Hz. It is a full wave rectified power  
> supply using a center-tapped transformer. The frequency components should be  
> all even harmonics and no fundamental.  
> I suspect that CW was mostly used since it would be much more effective  
> for range than MCW. MCW would be a good choice if you were trying to get  
> someones attention that may have receiver in AM mode, BFO off. And in AM you

> would have to be receiving the full voice bandwidth.  
>  
> 73  
> Bill wa4lav  
>  
> .....  
>  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at lists.theporch.com  
> https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Flists.theporch.com%2Fmailman%2Flistinfo%2Fboatanchors&data=02%7C01%7Cwlfuqu00%40uky.edu%7C260fd21ddb6343fb45ac08d7faa4dc56%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637253458296489782&sdata=k8F%2FHZkV0Spec%2FGuNDQ6tV04P19hY2Tb0M5Ff4Wq%2B6U%3D&reserved=0  
>  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at lists.theporch.com  
> https://lists.theporch.com/mailman/listinfo/boatanchors  
>  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at lists.theporch.com  
> https://lists.theporch.com/mailman/listinfo/boatanchors

From arc5 at ix.netcom.com Thu May 21 11:11:11 2020  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Thu, 21 May 2020 10:11:11 -0500  
Subject: [BoatAnchors] Question for Metallurgically-Smart People  
Message-ID: <cd0baf01-1ea6-2c97-2ca0-fa16553f045d@ix.netcom.com>

Does anyone here know a way to deposit a metal coating on the surface of a quartz crystal blank, without spending a gazillion bucks on a Phazer-Atom-Smasher-Hellbore vacuum chamber furnace?

--

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<https://www.avast.com/antivirus>

From gumbear at pacbell.net Thu May 21 14:28:24 2020  
From: gumbear at pacbell.net (Arden Allen)  
Date: Thu, 21 May 2020 11:28:24 -0700  
Subject: [BoatAnchors] Question for Metallurgically-Smart People  
In-Reply-To: <cd0baf01-1ea6-2c97-2ca0-fa16553f045d@ix.netcom.com>  
References: <cd0baf01-1ea6-2c97-2ca0-fa16553f045d@ix.netcom.com>

Message-ID: <D6B17D3DCB664461B5E29D902C5E9717@Lenovo>

> Does anyone here know a way to deposit a metal coating on the surface of a quartz crystal blank, without spending a gazillion bucks on a Phazer-Atom-Smasher-Hellbore vacuum chamber furnace?

That sounds like a machine I used to production test in one of my 1000+ temp jobs to pay the mortgage company. Just a lot of high RF power to create gaseous plasma that deposited icing on silicon cakes. Lots of physics involved.

Anything you put on a quartz blank is going to have effects on its ability to resonate, modes of oscillation, tempco, activity, and so forth only a crystal maker understands. Do you even know the cut of your quartz blank? Go back to the days when hams would grind their crystals to frequency, a trial and error practice but it kept most everyone inside the band if not right on a favorite frequency.

Whatcha building, Dave?

Arden

The problem with humanity is it's too smart to understand itself.  
- Anonymous the Last

From arc5 at ix.netcom.com Fri May 22 08:23:49 2020  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Fri, 22 May 2020 07:23:49 -0500  
Subject: [BoatAnchors] Question for Metallurgically-Smart People  
In-Reply-To: <cd0baf01-1ea6-2c97-2ca0-fa16553f045d@ix.netcom.com>  
References: <cd0baf01-1ea6-2c97-2ca0-fa16553f045d@ix.netcom.com>  
Message-ID: <ccf60e04-e604-5830-11b7-22e8a890bf4a@ix.netcom.com>

Thank you all for the lively discussion.

The reason I ask:

Off-and-on, I've been working with crystals, etching them to freq or "pencilling" them down as needed.

Some crystals have a silver plating on the blank.? This isn't for connectivity; it's to add mass and inertia to the blank in order to bring the crystals oscillation frequency down.

I discovered this when trying to etch these crystals. The blanks were in "regular" holders; i.e. between two metal plate with raised corners- no direct contact with the metal coating.

In the etchant, the metal coating bubbled vigorously. To my surprise, etching that metal coating moved the crystal's frequency up rapidly and by a large amount. I didn't make notes at the time, but I estimate I etched it for a couple of minutes, then became concerned at how quickly the metal was dissolving.? I removed the blank, cleaned it and tested, finding the crystal had moved a huge amount- I didn't write it down, but it was tens of Kcs!? Way past my intention? IIRC, the blank started at something below the AM window on 80 meters and, after the short etching, ended above 4 MC. That was hard to imagine, so I tried another on a useless freq and the result was the same.? I did manage the use some of these crystals, but the etching time was in seconds!

This is the same principle as "pencilling-down" a crystal, but with the uniformity and fine control needed to get the crystal spot-on and still active.? One reason "pencilling-down" often fails is because the random distribution of material on the face of the blank can cause it to stop ringing properly.? The metal coating is uniform, so it adds to the inertial moment of the blank without the random irregularities of "pencilling" that can kill oscillation. If there were a practical way to deposit this material on crystal blanks, there's just a world of now-useless crystals, too high in frequency, which could be "re-tuned" to usefulness.

If I live long enough for another project,  
I'll play around with this some more.  
Be a while- still have parcels to ship and  
radios begging for attention ;-).

?GL OM ES 73 DE Dave AB5S

--

This email has been checked for viruses by Avast antivirus software.  
<https://www.avast.com/antivirus>

From gumbear at pacbell.net Fri May 22 12:14:44 2020  
From: gumbear at pacbell.net (Arden Allen)  
Date: Fri, 22 May 2020 16:14:44 +0000 (UTC)  
Subject: [BoatAnchors] Question for Metallurgically-Smart People  
In-Reply-To: <ccf60e04-e604-5830-11b7-22e8a890bf4a@ix.netcom.com>  
References: <cd0baf01-1ea6-2c97-2ca0-fa16553f045d@ix.netcom.com>  
<ccf60e04-e604-5830-11b7-22e8a890bf4a@ix.netcom.com>  
Message-ID: <145193987.1043523.1590164084868@mail.yahoo.com>

Don't know if this makes sense but perhaps you could electroplate a blank by placing it on a plate in a solution and applying enough bias to get metallic ions to deposit on the blank.

Arden

On Friday, May 22, 2020, 5:24:34 AM PDT, David Stinson via BoatAnchors <boatanchors at lists.theporch.com> wrote:

Thank you all for the lively discussion.

The reason I ask:

Off-and-on, I've been working with crystals, etching them to freq or "pencilling" them down as needed.

Some crystals have a silver plating on the blank.? This isn't for connectivity; it's to add mass and inertia to the blank in order to bring the crystals oscillation frequency down.

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The blanks were in "regular" holders; i.e. between two metal plate with raised corners- no direct contact with the metal coating.

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If I live long enough for another project,  
I'll play around with this some more.  
Be a while- still have parcels to ship and  
radios begging for attention ;-).

?GL OM ES 73 DE Dave AB5S

--

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<https://www.avast.com/antivirus>

-----  
BoatAnchors mailing list  
BoatAnchors at [lists.theporch.com](mailto:lists.theporch.com)  
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From infomet at embarqmail.com Sat May 23 13:34:16 2020  
From: infomet at embarqmail.com (Wilson Lamb)  
Date: Sat, 23 May 2020 13:34:16 -0400 (EDT)  
Subject: [BoatAnchors] BoatAnchors Digest, Vol 446, Issue 6  
In-Reply-To: <[mailman.6.1590249601.23265.boatanchors@lists.theporch.com](mailto:mailman.6.1590249601.23265.boatanchors@lists.theporch.com)>  
References: <[mailman.6.1590249601.23265.boatanchors@lists.theporch.com](mailto:mailman.6.1590249601.23265.boatanchors@lists.theporch.com)>  
Message-ID: <253472590.112943076.1590255256580.JavaMail.zimbra@embarqmail.com>

Perhaps a rub with VERY FINE emery paper would be more controllable?  
WL

----- boatanchors-request at lists.theporch.com wrote:  
> Send BoatAnchors mailing list submissions to  
> boatanchors at lists.theporch.com  
>  
> To subscribe or unsubscribe via the World Wide Web, visit  
> <https://lists.theporch.com/mailman/listinfo/boatanchors>  
> or, via email, send a message with subject or body 'help' to  
> boatanchors-request at lists.theporch.com  
>  
> You can reach the person managing the list at  
> boatanchors-owner at lists.theporch.com  
>  
> When replying, please edit your Subject line so it is more specific  
> than "Re: Contents of BoatAnchors digest..."

From k1lky68 at gmail.com Sat May 23 21:58:30 2020  
From: k1lky68 at gmail.com (Roy Morgan)  
Date: Sat, 23 May 2020 21:58:30 -0400  
Subject: [BoatAnchors] MCW and Power Output

In-Reply-To: <58f8f56b-e25f-c6ad-72ad-5aa2685b4bb5@aafradio.org>

References: <5ec15672.1c69fb81.c1f2b.a1a4SMTPIN\_ADDED\_BROKEN@mx.google.com>

<1119D823-DF55-4E68-827E-FDA83A18F30D@gmail.com>

<BN7PR03MB4499DC8E37EF01CED3F05D1ECBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>

<5FF16674-E65F-425C-BBB9-33FA045DB31F@gmail.com>

<BN7PR03MB4499A3A88ECFDB4C70EE28E5CBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>

<86B6678FC2284AF197D55B1C61BBA6BA@Lenovo>

<BN7PR03MB44994BAB55D6EDDA6F885EDDCBBB0@BN7PR03MB4499.namprd03.prod.outlook.com>

<000001d62cec\$3b6001e0\$b22005a0\$@com>

<58f8f56b-e25f-c6ad-72ad-5aa2685b4bb5@aafradio.org>

Message-ID: <A3FAA8F3-151A-477C-839F-99B77C66C41B@gmail.com>

> On May 19, 2020, at 7:02 PM, aafradio <mike\_25-z at aafradio.org> wrote:

>

> Perhaps the 600-800Hz power range on the G0-9 is included due to the variability of the engine generated AC frequency.

But, but, but ?..

As I understand it, the G0-9 was powered from the aircraft 24/28 volt DC system for filament and relays, and the transformers got 800 cycles, single phase, from an 800-1 inverter, which in turn was also powered from the aircraft 24/28 volt DC system. The 800-1 has a carbon pile output voltage regulator that holds the output voltage moderately steady.

I suspect that in at least some of the aircraft the G0-9 was used in there was no ac power at all.

My security contractor strictly insists that I neither confirm nor deny that I have an 800-1 inverter. They threaten to increase the chain link fence height from 8 feet to 12 feet, and add additional canine guard protection 24/7.

> The G0-9 transformers needed a tad more iron to be able to stand the lower frequency without overheating for short periods when needed.

It is entirely possible that the G0-9 was used in aircraft with engine driven AC generators whose output frequency varied with engine speed as Mike describes. The piston engines of that time were operated a range of speeds depending on the flight situation, high RPM for take off and emergencies, low RPM for cruising or on-station operation.

The helicopter I flew (the SH-3D) had two three phase 115 volt generators operating at a nominal 400 cycles and driven mechanically from the main transmission. The main transmission normal operating speed varied from 98 percent to 104 percent, with all normal operation very close to 100 percent. The generator output frequency would have varied accordingly.

Roy

Roy Morgan  
K1LK Y since 1958  
k1lky68 at gmail.com

From tarheel6 at msn.com Sun May 24 17:05:52 2020  
From: tarheel6 at msn.com (Tom Bridgers)  
Date: Sun, 24 May 2020 17:05:52 -0400  
Subject: [BoatAnchors] =?utf-8?q?Changing\_a\_xtal=E2=80=99s\_freq?=  
Message-ID:  
<BY5PR19MB361788CF0D4615D061D6BB0090B20@BY5PR19MB3617.namprd19.prod.outlook.com>

Dave,

A really interesting posting about penciling and etching crystals. Looking forward to this project getting back on your front burner. Like most hams, I have lots of crystals that I would like to etch or pencil to a new frequency within the hand bands!

Thanks for sharing,  
-Tom KE4RHH

Sent from my iPhone

> On May 23, 2020, at 12:54 PM, boatanchors-request at lists.theporch.com wrote:  
>  
> ?Send BoatAnchors mailing list submissions to  
> boatanchors at lists.theporch.com  
>  
> To subscribe or unsubscribe via the World Wide Web, visit  
> <https://lists.theporch.com/mailman/listinfo/boatanchors>  
> or, via email, send a message with subject or body 'help' to  
> boatanchors-request at lists.theporch.com  
>  
> You can reach the person managing the list at  
> boatanchors-owner at lists.theporch.com  
>  
> When replying, please edit your Subject line so it is more specific  
> than "Re: Contents of BoatAnchors digest..."  
>  
>  
> Today's Topics:  
>  
> 1. Re: Question for Metallurgically-Smart People (Arden Allen)

>  
>  
> -----  
>  
> Message: 1  
> Date: Fri, 22 May 2020 16:14:44 +0000 (UTC)  
> From: Arden Allen <gumbear at pacbell.net>  
> To: David Stinson via BoatAnchors <boatanchors at lists.theporch.com>  
> Subject: Re: [BoatAnchors] Question for Metallurgically-Smart People  
> Message-ID: <145193987.1043523.1590164084868 at mail.yahoo.com>  
> Content-Type: text/plain; charset=UTF-8  
>  
> Don't know if this makes sense but perhaps you could electroplate a blank by  
placing it on a plate in a solution and applying enough bias to get metallic ions  
to deposit on the blank.  
> Arden  
>  
> On Friday, May 22, 2020, 5:24:34 AM PDT, David Stinson via BoatAnchors  
<boatanchors at lists.theporch.com> wrote:  
>  
> Thank you all for the lively discussion.  
> The reason I ask:  
> Off-and-on, I've been working with crystals, etching them to freq  
> or "pencilling" them down as needed.  
> Some crystals have a silver plating on the blank.? This isn't for  
> connectivity; it's to add mass and inertia to the blank in order  
> to bring the crystals oscillation frequency down.  
>  
> I discovered this when trying to etch these crystals.  
> The blanks were in "regular" holders; i.e. between two  
> metal plate with raised corners- no direct contact  
> with the metal coating.  
> In the etchant, the metal coating bubbled vigorously.  
> To my surprise, etching that metal coating moved the  
> crystal's frequency up rapidly and by a large amount.  
> I didn't make notes at the time, but I estimate I etched it  
> for a couple of minutes, then became concerned at how  
> quickly the metal was dissolving.? I removed the blank,  
> cleaned it and tested, finding the crystal had moved a  
> huge amount- I didn't write it down, but it was tens  
> of Kcs!? Way past my intention? IIRC, the blank started  
> at something below the AM window on 80 meters and,  
> after the short etching, ended above 4 MC.  
> That was hard to imagine, so I tried another on a  
> useless freq and the result was the same.? I did manage  
> the use some of these crystals, but the etching time  
> was in seconds!  
>

> This is the same principle as "pencilling-down" a crystal,  
> but with the uniformity and fine control needed to get  
> the crystal spot-on and still active.? One reason "pencilling-  
> down" often fails is because the random distribution of  
> material on the face of the blank can cause it to stop  
> ringing properly.? The metal coating is uniform, so it adds  
> to the inertial moment of the blank without the random  
> irregularities of "pencilling" that can kill oscillation.  
> If there were a practical way to deposit this material  
> on crystal blanks, there's just a world of now-useless crystals,  
> too high in frequency, which could be "re-tuned" to usefulness.  
>  
> If I live long enough for another project,  
> I'll play around with this some more.  
> Be a while- still have parcels to ship and  
> radios begging for attention ;-).  
>  
> ?GL OM ES 73 DE Dave AB5S  
>  
> --  
> This email has been checked for viruses by Avast antivirus software.  
> <https://www.avast.com/antivirus>  
>  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at [lists.theporch.com](mailto:lists.theporch.com)  
> <https://lists.theporch.com/mailman/listinfo/boatanchors>  
>  
>  
> -----  
>  
> Subject: Digest Footer  
>  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at [lists.theporch.com](mailto:lists.theporch.com)  
> <https://lists.theporch.com/mailman/listinfo/boatanchors>  
>  
>  
> -----  
>  
> End of BoatAnchors Digest, Vol 446, Issue 6  
> \*\*\*\*\*

From k1lky68 at gmail.com Tue May 26 13:03:53 2020  
From: k1lky68 at gmail.com (Roy Morgan)  
Date: Tue, 26 May 2020 13:03:53 -0400  
Subject: [BoatAnchors] Mercury Relay HG 1026

Message-ID: <671F6678-F110-4E34-8830-E9E929E04ADE@gmail.com>

Anchorites,

I have unearthed a CP Clare mercury relay HG 1026 and am looking for data on it.

The T/O Keyer uses a similar relay, and the schematic calls for WE mercury relays to be used. The CP Clare relay that works in that is the HG 1002 or a Potter and Brumfield JM1 119 1.

Can anyone point to a listing of CP Clare Mercury Wetted Relays?

Thanks

Roy

Roy Morgan  
K1LKY since 1958  
k1lky68 at gmail.com

From k4pf at juno.com Tue May 26 15:25:26 2020  
From: k4pf at juno.com (k4pf at juno.com)  
Date: Tue, 26 May 2020 19:25:26 GMT  
Subject: [BoatAnchors] Mercury Relay HG 1026  
Message-ID: <20200526.152526.12068.0@webmail01.vgs.unttd.com>

Roy Morgan <k1lky68 at gmail.com> Wrote

I have unearthed a CP Clare mercury relay HG 1026 and am looking for data on it.  
<snip>

Hi, Ray

I went to this company's website and searched for a HG-1026,  
and they catalog it as this National Stock Number item:  
<https://www.lintechcomponents.com/product/5945-007558108>

I'm not sure if this info is correct, but you can certainly compare  
the cited 500 Ohm coil resistance to your relay as a check.

73,  
Ed Knobloch

From jerry.proc at sympatico.ca Tue May 26 16:33:39 2020  
From: jerry.proc at sympatico.ca (Jerry Proc)  
Date: Tue, 26 May 2020 16:33:39 -0400  
Subject: [BoatAnchors] Tube Lineage Tree  
Message-ID: <004301d6339c\$f080dca0\$d18295e0\$@proc@sympatico.ca>

[http://www.jproc.ca/marconi/Tube\\_Lineage\\_Tree\\_b2.jpg](http://www.jproc.ca/marconi/Tube_Lineage_Tree_b2.jpg)

Regards,

Jerry Proc

jerry.proc at sympatico.ca

Web: [www.jproc.ca](http://www.jproc.ca)

From gumbear at pacbell.net Tue May 26 17:24:32 2020  
From: gumbear at pacbell.net (Arden Allen)  
Date: Tue, 26 May 2020 14:24:32 -0700  
Subject: [BoatAnchors] Tube Lineage Tree  
In-Reply-To: <004301d6339c\$f080dca0\$d18295e0\$@proc@sympatico.ca>  
References: <004301d6339c\$f080dca0\$d18295e0\$@proc@sympatico.ca>  
Message-ID: <FD07DE973E7F49ADA6AF5629F2129D20@Lenovo>

Thank you, Jerry. I copied your message to the California Historical Radio Society's Groups.io forum. Hope you don't mind.

Arden

-----Original Message-----

From: Jerry Proc  
Sent: Tuesday, May 26, 2020 1:33 PM  
To: boatanchors at lists.theporch.com  
Subject: [BoatAnchors] Tube Lineage Tree

[http://www.jproc.ca/marconi/Tube\\_Lineage\\_Tree\\_b2.jpg](http://www.jproc.ca/marconi/Tube_Lineage_Tree_b2.jpg)

Regards,

Jerry Proc

jerry.proc at sympatico.ca

Web: www.jproc.ca

-----  
BoatAnchors mailing list  
BoatAnchors at lists.theporch.com  
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From dave at horsfall.org Tue May 26 17:36:42 2020  
From: dave at horsfall.org (Dave Horsfall)  
Date: Wed, 27 May 2020 07:36:42 +1000 (EST)  
Subject: [BoatAnchors] Tube Lineage Tree  
In-Reply-To: <FD07DE973E7F49ADA6AF5629F2129D20@Lenovo>  
References: <004301d6339c\$f080dca0\$d18295e0\$@proc@sympatico.ca>  
<FD07DE973E7F49ADA6AF5629F2129D20@Lenovo>  
Message-ID: <alpine.BSF.2.21.9999.2005270735550.79423@aneurin.horsfall.org>

On Tue, 26 May 2020, Arden Allen via BoatAnchors wrote:

> Thank you, Jerry. I copied your message to the California Historical  
> Radio Society's Groups.io forum. Hope you don't mind.

Indeed! Shame about the grey background, but it's still readable.

-- Dave

From jerry.proc at sympatico.ca Wed May 27 10:45:51 2020  
From: jerry.proc at sympatico.ca (Jerry Proc)  
Date: Wed, 27 May 2020 10:45:51 -0400  
Subject: [BoatAnchors] Tube Lineage Tree  
In-Reply-To: <alpine.BSF.2.21.9999.2005270735550.79423@aneurin.horsfall.org>  
References: <004301d6339c\$f080dca0\$d18295e0\$@proc@sympatico.ca>  
<FD07DE973E7F49ADA6AF5629F2129D20@Lenovo>  
<alpine.BSF.2.21.9999.2005270735550.79423@aneurin.horsfall.org>  
Message-ID: <009901d63435\$84e80ec0\$8eb82c40\$@proc@sympatico.ca>

Hi Dave ,

The original image had a white tree and white font on a dark grey background.

I made an inversion of the image which in my opinion had slightly better



readability.

In case anyone wants it, here is the original image that I received.

[http://jproc.ca/test/Tube\\_Lineage\\_Tree\\_b.jpg](http://jproc.ca/test/Tube_Lineage_Tree_b.jpg)

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On Behalf Of Dave Horsfall

Sent: Tuesday, May 26, 2020 5:37 PM

To: BoatAnchors List

Subject: Re: [BoatAnchors] Tube Lineage Tree

On Tue, 26 May 2020, Arden Allen via BoatAnchors wrote:

> Thank you, Jerry. I copied your message to the California Historical  
> Radio Society's Groups.io forum. Hope you don't mind.

Indeed! Shame about the grey background, but it's still readable.

-- Dave

-----  
BoatAnchors mailing list  
BoatAnchors at lists.theporch.com  
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From jerry.proc at sympatico.ca Wed May 27 10:46:40 2020

From: jerry.proc at sympatico.ca (Jerry Proc)

Date: Wed, 27 May 2020 10:46:40 -0400

Subject: [BoatAnchors] Tube Lineage Tree

In-Reply-To: <FD07DE973E7F49ADA6AF5629F2129D20@Lenovo>

References: <004301d6339c\$f080dca0\$d18295e0\$@proc@sympatico.ca>

<FD07DE973E7F49ADA6AF5629F2129D20@Lenovo>

Message-ID: <009a01d63435\$a2fa44f0\$e8eeced0\$@proc@sympatico.ca>

That's perfectly fine....

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On Behalf Of Arden Allen via BoatAnchors

Sent: Tuesday, May 26, 2020 5:25 PM

To: Ham radios with tubes

Cc: Arden Allen

Subject: Re: [BoatAnchors] Tube Lineage Tree

Thank you, Jerry. I copied your message to the California Historical Radio Society's Groups.io forum. Hope you don't mind.

Arden

-----Original Message-----

From: Jerry Proc

Sent: Tuesday, May 26, 2020 1:33 PM

To: boatanchors at lists.theporch.com

Subject: [BoatAnchors] Tube Lineage Tree

[http://www.jproc.ca/marconi/Tube\\_Lineage\\_Tree\\_b2.jpg](http://www.jproc.ca/marconi/Tube_Lineage_Tree_b2.jpg)

Regards,

Jerry Proc

[jerry.proc at sympatico.ca](mailto:jerry.proc@sympatico.ca)

Web: [www.jproc.ca](http://www.jproc.ca)

---

BoatAnchors mailing list

BoatAnchors at lists.theporch.com

<https://lists.theporch.com/mailman/listinfo/boatanchors>

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BoatAnchors mailing list

BoatAnchors at lists.theporch.com

<https://lists.theporch.com/mailman/listinfo/boatanchors>

From ark at ar88.net Wed May 27 12:21:20 2020

From: ark at ar88.net (Al Klase)

Date: Wed, 27 May 2020 12:21:20 -0400

Subject: [BoatAnchors] Tube Lineage Tree

In-Reply-To: <009901d63435\$84e80ec0\$8eb82c40\$@proc@sympatico.ca>

References: <004301d6339c\$f080dca0\$d18295e0\$@proc@sympatico.ca>

<FD07DE973E7F49ADA6AF5629F2129D20@Lenovo>

<alpine.BSF.2.21.9999.2005270735550.79423@aneurin.horsfall.org>

<009901d63435\$84e80ec0\$8eb82c40\$@proc@sympatico.ca>

Message-ID: <6509d816-1595-fa91-d499-d7e028c23153@ar88.net>

Jerry,

Thank you so much.? I'd gone searching the web for a better version with

a eye to making a poster for our Museum. No joy.

Following your lead, I've further processed your file.

[http://www.ar88.net/stuff/Tube\\_Linage\\_Tree\\_ark.jpg](http://www.ar88.net/stuff/Tube_Linage_Tree_ark.jpg)

I may even go back, and touch up the specks by hand, in PhotoPaint.

VY 73,

Al

On 5/27/2020 10:45 AM, Jerry Proc wrote:

> Hi Dave ,

>

> The original image had a white tree and white font on a dark grey  
> background.

> I made an inversion of the image which in my opinion had slightly better  
> readability.

> In case anyone wants it, here is the original image that I received.

> [http://jproc.ca/test/Tube\\_Linage\\_Tree\\_b.jpg](http://jproc.ca/test/Tube_Linage_Tree_b.jpg)

>

>

>

> -----Original Message-----

> From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On Behalf  
> Of Dave Horsfall

> Sent: Tuesday, May 26, 2020 5:37 PM

> To: BoatAnchors List

> Subject: Re: [BoatAnchors] Tube Lineage Tree

>

> On Tue, 26 May 2020, Arden Allen via BoatAnchors wrote:

>

>> Thank you, Jerry. I copied your message to the California Historical

>> Radio Society's Groups.io forum. Hope you don't mind.

> Indeed! Shame about the grey background, but it's still readable.

>

> -- Dave

>

> -----  
> BoatAnchors mailing list

> BoatAnchors at lists.theporch.com

> <https://lists.theporch.com/mailman/listinfo/boatanchors>

>

>

> -----  
> BoatAnchors mailing list

> BoatAnchors at lists.theporch.com

> <https://lists.theporch.com/mailman/listinfo/boatanchors>

--

Al Klase ? N3FRQ

Jersey City, NJ

<http://www.skywaves.ar88.net/>

From gumbear at pacbell.net Wed May 27 12:29:17 2020  
From: gumbear at pacbell.net (Arden Allen)  
Date: Wed, 27 May 2020 09:29:17 -0700  
Subject: [BoatAnchors] Tube Lineage Tree  
In-Reply-To: <009901d63435\$84e80ec0\$8eb82c40\$@proc@sympatico.ca>  
References: <004301d6339c\$f080dca0\$d18295e0\$@proc@sympatico.ca>  
<FD07DE973E7F49ADA6AF5629F2129D20@Lenovo>  
<alpine.BSF.2.21.9999.2005270735550.79423@aneurin.horsfall.org>  
<009901d63435\$84e80ec0\$8eb82c40\$@proc@sympatico.ca>  
Message-ID: <3A663958ECFF415196C7516E667DE804@Lenovo>

Jerry, our graphics expert, Kent Leech, adjusted the levels to make a nicely balanced image.

<http://kentleech.com/1934-Thermionic-Tube-Chart.jpg>

Arden

-----Original Message-----

From: Jerry Proc  
Sent: Wednesday, May 27, 2020 7:45 AM  
To: 'Ham radios with tubes'  
Subject: Re: [BoatAnchors] Tube Lineage Tree

Hi Dave ,

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I made an inversion of the image which in my opinion had slightly better readability.

In case anyone wants it, here is the original image that I received.

[http://jproc.ca/test/Tube\\_Lineage\\_Tree\\_b.jpg](http://jproc.ca/test/Tube_Lineage_Tree_b.jpg)

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Sent: Tuesday, May 26, 2020 5:37 PM  
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Subject: Re: [BoatAnchors] Tube Lineage Tree

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Indeed! Shame about the grey background, but it's still readable.

-- Dave

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BoatAnchors mailing list  
BoatAnchors at lists.theporch.com  
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BoatAnchors mailing list  
BoatAnchors at lists.theporch.com  
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From jerry.proc at sympatico.ca Wed May 27 12:36:43 2020  
From: jerry.proc at sympatico.ca (Jerry Proc)  
Date: Wed, 27 May 2020 12:36:43 -0400  
Subject: [BoatAnchors] Tube Lineage Tree  
In-Reply-To: <3A663958ECFF415196C7516E667DE804@Lenovo>  
References: <004301d6339c\$f080dca0\$d18295e0\$@proc@sympatico.ca>  
<FD07DE973E7F49ADA6AF5629F2129D20@Lenovo>  
<alpine.BSF.2.21.9999.2005270735550.79423@aneurin.horsfall.org>  
<009901d63435\$84e80ec0\$8eb82c40\$@proc@sympatico.ca>  
<3A663958ECFF415196C7516E667DE804@Lenovo>  
Message-ID: <00b401d63445\$025fd130\$071f7390\$@proc@sympatico.ca>

Hi Arden,

Yes indeed, Kent's version is much better than the original. I'm going to replace the original image on my web site with this one.

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On Behalf Of Arden Allen via BoatAnchors  
Sent: Wednesday, May 27, 2020 12:29 PM  
To: Ham radios with tubes  
Cc: Arden Allen; Kent Leech  
Subject: Re: [BoatAnchors] Tube Lineage Tree

Jerry, our graphics expert, Kent Leech, adjusted the levels to make a nicely balanced image.

<http://kentleech.com/1934-Thermionic-Tube-Chart.jpg>

Arden

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From: Jerry Proc  
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From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On Behalf Of Dave Horsfall  
Sent: Tuesday, May 26, 2020 5:37 PM  
To: BoatAnchors List  
Subject: Re: [BoatAnchors] Tube Lineage Tree

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Indeed! Shame about the grey background, but it's still readable.

-- Dave

-----  
BoatAnchors mailing list  
BoatAnchors at lists.theporch.com  
<https://lists.theporch.com/mailman/listinfo/boatanchors>

-----  
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<https://lists.theporch.com/mailman/listinfo/boatanchors>

-----  
BoatAnchors mailing list  
BoatAnchors at lists.theporch.com

<https://lists.theporch.com/mailman/listinfo/boatanchors>

From ark at ar88.net Wed May 27 12:58:24 2020  
From: ark at ar88.net (Al Klase)  
Date: Wed, 27 May 2020 12:58:24 -0400  
Subject: [BoatAnchors] Tube Lineage Tree  
In-Reply-To: <3A663958ECFF415196C7516E667DE804@Lenovo>  
References: <004301d6339c\$f080dca0\$d18295e0\$@proc@sympatico.ca>  
<FD07DE973E7F49ADA6AF5629F2129D20@Lenovo>  
<alpine.BSF.2.21.9999.2005270735550.79423@aneurin.horsfall.org>  
<009901d63435\$84e80ec0\$8eb82c40\$@proc@sympatico.ca>  
<3A663958ECFF415196C7516E667DE804@Lenovo>  
Message-ID: <bc434cc9-b1e8-dfeb-bd7b-59a7aa7d037e@ar88.net>

Much better than mine,? (I'm not a graphic artist, but I do play one on TV.) - Al

On 5/27/2020 12:29 PM, Arden Allen via BoatAnchors wrote:

> Jerry, our graphics expert, Kent Leech, adjusted the levels to make a  
> nicely balanced image.  
>  
> <http://kentleech.com/1934-Thermionic-Tube-Chart.jpg>  
>  
> Arden  
>  
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> To: 'Ham radios with tubes'  
> Subject: Re: [BoatAnchors] Tube Lineage Tree  
>  
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> From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On  
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> To: BoatAnchors List

> Subject: Re: [BoatAnchors] Tube Lineage Tree  
>  
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>> Radio Society's Groups.io forum.? Hope you don't mind.  
>  
> Indeed!? Shame about the grey background, but it's still readable.  
>  
> -- Dave  
>  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at lists.theporch.com  
> <https://lists.theporch.com/mailman/listinfo/boatanchors>  
>  
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> <https://lists.theporch.com/mailman/listinfo/boatanchors>  
>  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at lists.theporch.com  
> <https://lists.theporch.com/mailman/listinfo/boatanchors>  
  
--  
Al Klase ? N3FRQ  
Jersey City, NJ  
<http://www.skywaves.ar88.net/>

From wlfuqu00 at uky.edu Thu May 28 12:07:14 2020  
From: wlfuqu00 at uky.edu (Fuqua, William)  
Date: Thu, 28 May 2020 16:07:14 +0000  
Subject: [BoatAnchors] Radio Amateur's Handbook by A. F. Collins  
Message-ID:  
<BN7PR03MB44999E6245B974BB33CA6287CB8E0@BN7PR03MB4499.namprd03.prod.outlook.com>

I am looking for a Radio Amateur's Handbook by A. F. Collins published in the 1950's.  
It has a regenerative receiver design and 3 transmitters. One transmitter is a 70Watt  
CW and AM transmitter using a 829B final in push-push configuration. Obviously a doubler.  
Anyone have one of these? Especially someone willing to sell it.

73  
Bill wa4lav



From 1oldlens1 at ix.netcom.com Thu May 28 13:16:06 2020  
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)  
Date: Thu, 28 May 2020 10:16:06 -0700  
Subject: [BoatAnchors] Radio Amateur's Handbook by A. F. Collins  
In-Reply-To:  
<BN7PR03MB44999E6245B974BB33CA6287CB8E0@BN7PR03MB4499.namprd03.prod.outlook.com>  
References:  
<BN7PR03MB44999E6245B974BB33CA6287CB8E0@BN7PR03MB4499.namprd03.prod.outlook.com>  
Message-ID: <5767ffab-abb7-9fd5-cfe5-71b02e209cf2@ix.netcom.com>

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--

Richard Knoppow  
1oldlens1 at ix.netcom.com  
WB6KBL

From ark at ar88.net Thu May 28 13:43:43 2020  
From: ark at ar88.net (Al Klase)  
Date: Thu, 28 May 2020 13:43:43 -0400  
Subject: [BoatAnchors] Radio Amateur's Handbook by A. F. Collins  
In-Reply-To: <5767ffab-abb7-9fd5-cfe5-71b02e209cf2@ix.netcom.com>  
References:  
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Message-ID: <9dddc1dc-4bb2-3a23-0c92-cb6d52dc1443@ar88.net>

Yes, do look HERE

<<https://archive.org/details/texts?and%5B%5D=radio+amateur%27s+handbook&sin=>>

Al

On 5/28/2020 1:16 PM, Richard Knoppow via BoatAnchors wrote:

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>

--

Al Klase ? N3FRQ

Jersey City, NJ

<http://www.skywaves.ar88.net/>

From gumbear at pacbell.net Thu May 28 14:31:29 2020

From: gumbear at pacbell.net (Arden Allen)

Date: Thu, 28 May 2020 11:31:29 -0700

Subject: [BoatAnchors] Radio Amateur's Handbook by A. F. Collins

In-Reply-To: <5767ffab-abb7-9fd5-cfe5-71b02e209cf2@ix.netcom.com>

References:

<BN7PR03MB44999E6245B974BB33CA6287CB8E0@BN7PR03MB4499.namprd03.prod.outlook.com>

<5767ffab-abb7-9fd5-cfe5-71b02e209cf2@ix.netcom.com>

Message-ID: <FE8704E766FF433184081BDE61A3B9A1@Lenovo>

You can find a lot of these old books at used book sellers. ABE books has it. <https://www.abebooks.com/>

Arden

-----Original Message-----

From: Richard Knoppow via BoatAnchors  
Sent: Thursday, May 28, 2020 10:16 AM  
To: boatanchors at lists.theporch.com  
Cc: Richard Knoppow  
Subject: Re: [BoatAnchors] Radio Amateur's Handbook by A. F. Collins

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WB6KBL

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BoatAnchors at lists.theporch.com  
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From wlfuqu00 at uky.edu Thu May 28 16:00:51 2020  
From: wlfuqu00 at uky.edu (Fuqua, William)  
Date: Thu, 28 May 2020 20:00:51 +0000  
Subject: [BoatAnchors] Radio Amateur's Handbook by A. F. Collins  
In-Reply-To: <5767ffab-abb7-9fd5-cfe5-71b02e209cf2@ix.netcom.com>  
References:

<BN7PR03MB44999E6245B974BB33CA6287CB8E0@BN7PR03MB4499.namprd03.prod.outlook.com>,  
<5767ffab-abb7-9fd5-cfe5-71b02e209cf2@ix.netcom.com>

Message-ID:

<BN7PR03MB4499E53E32211546371FF2DECB8E0@BN7PR03MB4499.namprd03.prod.outlook.com>

So far my search has not panned out.

Looks like it will be the 9th or 10th edition.

It had 2 receivers in it. One crystal and a second was regenerative.

3 power supplies, small one, with back to back 6.3VAC transformers ,used with the regen receiver and a medium size one.

And 3 transmitters,

1 tube 6L6 oscillator

2 tube 2x 6L6

and a 70 Watt one using 1 6L6 and a 829B. CW or AM using screen grid modulation.

It 70W used two of the power supplies, the medium and the high power one.

73

Bill wa4lav

---

From: BoatAnchors <boatanchors-bounces at lists.theporch.com> on behalf of Richard Knoppow via BoatAnchors <boatanchors at lists.theporch.com>

Sent: Thursday, May 28, 2020 1:16 PM

To: boatanchors at lists.theporch.com <boatanchors at lists.theporch.com>

Cc: Richard Knoppow <1oldlens1 at ix.netcom.com>

Subject: Re: [BoatAnchors] Radio Amateur's Handbook by A. F. Collins

CAUTION: External Sender

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> BoatAnchors at lists.theporch.com  
> https://nam04.safelinks.protection.outlook.com/?  
url=https%3A%2F%2Flists.theporch.com%2Fmailman%2Flistinfo%2Fboatanchors&data=0  
2%7C01%7Cwlfluqu00%40uky.edu%7C37a1d2debcbe491280e108d8032ad0f3%7C2b30530b69b64457b  
818481cb53d42ae%7C0%7C0%7C637262829712065408&sdata=M0nQrYxayNLzM9m8NhCUCV%2FSp  
CcPh4rxx4HAh%2Boz0Tc%3D&reserved=0

--  
Richard Knoppow  
1oldlens1 at ix.netcom.com  
WB6KBL

---

BoatAnchors mailing list  
BoatAnchors at lists.theporch.com  
https://nam04.safelinks.protection.outlook.com/?  
url=https%3A%2F%2Flists.theporch.com%2Fmailman%2Flistinfo%2Fboatanchors&data=0  
2%7C01%7Cwlfluqu00%40uky.edu%7C37a1d2debcbe491280e108d8032ad0f3%7C2b30530b69b64457b  
818481cb53d42ae%7C0%7C0%7C637262829712065408&sdata=M0nQrYxayNLzM9m8NhCUCV%2FSp  
CcPh4rxx4HAh%2Boz0Tc%3D&reserved=0

From k7sz at live.com Thu May 28 22:25:45 2020  
From: k7sz at live.com (Rich Arland)  
Date: Fri, 29 May 2020 02:25:45 +0000  
Subject: [BoatAnchors] Radio Amateur's Handbook by A. F. Collins  
In-Reply-To: <9dddc1dc-4bb2-3a23-0c92-cb6d52dc1443@ar88.net>  
References:  
<BN7PR03MB44999E6245B974BB33CA6287CB8E0@BN7PR03MB4499.namprd03.prod.outlook.com>  
<5767ffab-abb7-9fd5-cfe5-71b02e209cf2@ix.netcom.com>,  
<9dddc1dc-4bb2-3a23-0c92-cb6d52dc1443@ar88.net>  
Message-ID:  
<BN6PR1301MB1873D925F1F49CA942A6E942F68F0@BN6PR1301MB1873.namprd13.prod.outlook.co  
m>

Vy 73

Rich K7SZ  
<https://k7sz.wordpress.com/>

?The single most important component of a camera is the twelve inches behind it?  
Ansel Adams.

---

From: BoatAnchors <boatanchors-bounces at lists.theporch.com> on behalf of Al

Klase <ark at ar88.net>

Sent: Thursday, May 28, 2020 1:43 PM

To: boatanchors at lists.theporch.com <boatanchors at lists.theporch.com>

Subject: Re: [BoatAnchors] Radio Amateur's Handbook by A. F. Collins

Yes, do look HERE

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BoatAnchors at lists.theporch.com

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From k7sz at live.com Thu May 28 22:27:00 2020

From: k7sz at live.com (Rich Arland)

Date: Fri, 29 May 2020 02:27:00 +0000

Subject: [BoatAnchors] Radio Amateur's Handbook by A. F. Collins

In-Reply-To: <9dddc1dc-4bb2-3a23-0c92-cb6d52dc1443@ar88.net>

References:

<BN7PR03MB44999E6245B974BB33CA6287CB8E0@BN7PR03MB4499.namprd03.prod.outlook.com>  
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Message-ID:

<BN6PR1301MB1873409D467BB5766410D8E4F68F0@BN6PR1301MB1873.namprd13.prod.outlook.com>

OOPS!!

Vy 73

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<https://k7sz.wordpress.com/>

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Sent: Thursday, May 28, 2020 1:43 PM  
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From 1oldlens1 at ix.netcom.com Fri May 29 00:12:32 2020

From: 1oldlens1 at ix.netcom.com (Richard Knoppow)

Date: Thu, 28 May 2020 21:12:32 -0700

Subject: [BoatAnchors] Radio Amateur's Handbook by A. F. Collins

In-Reply-To:

<BN6PR1301MB1873EBD4C2C8E4428DD6C6A9F68F0@BN6PR1301MB1873.namprd13.prod.outlook.co

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References:

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Message-ID: <6e5c9c88-ff59-2187-3410-80bb7f018f8c@ix.netcom.com>

?? Same here, loved it. I am also a fan of the Nikon F and have two of them at the moment. Two is probably enough.

?? When you said Graflex did you mean the SLR or the Speed/Crown Graphic? I know both very well. I have a 4x5 Super-D Graflex, weighs a ton but is a favorite camera. Designed to be hand held despite its size and weight.

?? I was taught to use a Speed Graphic by a high school teacher who was also a part time press photographer. Again despite their size and weight they are favorites. There were many competitors to the Speed Graphic but none ever managed to knock them off the perch until some guys began to use Rolleis and then Leicas. You Tube has lots of old boxing matches, you can see the change in ringside cameras with time. Up to maybe 1950 they were all Speed Graphics, then you begin to see some Rolleiflexs and then they are all 35mm cameras. Now, of course, is any cell phone and the art is lost.

?? There is an exhibit at MoMA called "The Exact Instant" about famous press photos. Its temporarily closed but a little is on line.

On 5/28/2020 7:28 PM, Rich Arland via BoatAnchors wrote:

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>

> Vy 73

>

> Rich K7SZ

> <https://k7sz.wordpress.com/>

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Richard Knoppow  
1oldlens1 at ix.netcom.com  
WB6KBL

From arc5 at ix.netcom.com Fri May 29 08:06:52 2020  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Fri, 29 May 2020 07:06:52 -0500  
Subject: [BoatAnchors] Tuning Your BCB Radio in the Late 1930s  
Message-ID: <88d2a465-9083-feaf-f95d-194b6b84f059@ix.netcom.com>

Some of you may remember that I refurbished a Webster Chicago 81-1 Wire Recorder awhile back.  
At a recent estate sale, I find some very old recording wire spools. One of them contained a 30-minute jewel.  
The person making the recording didn't mention the date, but did say he was at "2028 20th Street, Kenosha, Wisconsin." Then he begins listening to music on his home radio and records as he is tuning around.

The only station ID one hears is at the beginning of the recording: CBL from Toronto, Canada. ? You can hear the many stations in the back ground, static crashes, fades and a band surprisingly crowded. He's looking for music he likes, so he doesn't dwell on "talking," and he seems to prefer "Glenn-Miller-ish" "Big Band" music. But it's the sounds of tuning-around I find interesting.

This recording is about 90 years old.? The quality is not good, both from the effects of time in an external storage shed in the Texas heat and from a poor level control causing the recorder to being over-driven and "microphone next to the speaker" coupling.? The quality is not good. But the material is worth preserving, IMHO.  
I have not edited the recording.? If someone would like to work with it and trim the excess, perhaps improve the quality with processing, I'd enjoy hearing your efforts.

I've uploaded 30 minutes of the recording to Google Drive:  
A High-Def .FLAC file of 611 MB at:  
<https://tinyurl.com/y7bhnwh1>

and a smaller .MP3 file, 59 MB at:  
<https://tinyurl.com/yby5utd7>

I'll also be uploading it to a couple of Facebook radio groups for streaming.  
Please share the links to whomever you think might enjoy.

GL OM ES 73 DE Dave AB5S

--

This email has been checked for viruses by Avast antivirus software.

<https://www.avast.com/antivirus>

From radios at sbcglobal.net Fri May 29 10:07:29 2020  
From: radios at sbcglobal.net (Lenox Carruth)  
Date: Fri, 29 May 2020 09:07:29 -0500  
Subject: [BoatAnchors] Tuning Your BCB Radio in the Late 1930s  
In-Reply-To: <88d2a465-9083-feaf-f95d-194b6b84f059@ix.netcom.com>  
References: <88d2a465-9083-feaf-f95d-194b6b84f059@ix.netcom.com>  
Message-ID: <004201d635c2\$7dee5ff0\$79cb1fd0\$@net>

That's fantastic, Dave,

One of my uncles gave my brother and me a Webster Chicago wire recorder when I was a teenager. I once thought about restoring one just for the nostalgia until I remembered all of the tangles that we got in the wire! It was one of the model 80s but I don't remember which one. It was definitely before the Model 180s.

Glad you restored one. Someone needs to keep the memories alive.

Congratulations. Keep up the good work and stay safe.

Lenox  
WA50VG

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On Behalf Of David Stinson via BoatAnchors  
Sent: Friday, May 29, 2020 7:07 AM  
To: Boatanchors at mailman  
Cc: David Stinson  
Subject: [BoatAnchors] Tuning Your BCB Radio in the Late 1930s

Some of you may remember that I refurbished a Webster Chicago 81-1 Wire Recorder awhile back.  
At a recent estate sale, I find some very old recording wire spools. One of them contained a 30-minute jewel.  
The person making the recording didn't mention the date, but did say he was at "2028 20th Street, Kenosha, Wisconsin."  
Then he begins listening to music on his home radio and records as he is tuning around.

The only station ID one hears is at the beginning of the recording: CBL from Toronto, Canada. You can hear the many stations in the back ground, static crashes, fades and a band surprisingly crowded.

He's looking for music he likes, so he doesn't dwell on "talking," and he seems to prefer "Glenn-Miller-ish" "BIG Band" music. But it's the sounds of tuning-around I find interesting.

This recording is about 90 years old. The quality is not good, both from the effects of time in an external storage shed in the Texas heat and from a poor level control causing the recorder to being over-driven and "microphone next to the speaker" coupling. The quality is not good. But the material is worth preserving, IMHO.

I have not edited the recording. If someone would like to work with it and trim the excess, perhaps improve the quality with processing, I'd enjoy hearing your efforts.

I've uploaded 30 minutes of the recording to Google Drive:  
A High-Def .FLAC file of 611 MB at:  
<https://tinyurl.com/y7bhnwh1>

and a smaller .MP3 file, 59 MB at:  
<https://tinyurl.com/yby5utd7>

I'll also be uploading it to a couple of Facebook radio groups for streaming.  
Please share the links to whomever you think might enjoy.

GL OM ES 73 DE Dave AB5S

From wb1cmg at gmail.com Fri May 29 11:24:05 2020  
From: wb1cmg at gmail.com (David M. Upton)  
Date: Fri, 29 May 2020 11:24:05 -0400  
Subject: [BoatAnchors] Help with amp shipping  
Message-ID: <f97a4616-7363-1bea-7f65-1d6015773e47@gmail.com>

i have located a boatanchor large amp in KC that I wish to purchase. The catch is that the seller will not ship the unit. I have heard of units getting ferried to and fro hamfests such as Dayton by a chain of hams carrying it part way along the route. In these times, is there any help to be had? Please reply off-list. Thanks.

David, WB1CMG  
Mont Vernon, NH 03057

From ghyoungman at gmail.com Fri May 29 11:32:15 2020  
From: ghyoungman at gmail.com (Grant Youngman)  
Date: Fri, 29 May 2020 11:32:15 -0400

Subject: [BoatAnchors] Help with amp shipping  
In-Reply-To: <f97a4616-7363-1bea-7f65-1d6015773e47@gmail.com>  
References: <f97a4616-7363-1bea-7f65-1d6015773e47@gmail.com>  
Message-ID: <77DCCA3B-4D66-42B3-A835-9CB20BBF5FDF@gmail.com>

There aren't many hamfests going on this summer.

But there is a Craters and Freighters in KC, MO. These guys can pack/box/crate/ship most anything, including electronics, and do it well. Not inexpensive for that plus freight if it's too heavy for the usual suspects, but it's an option if the seller would deliver it there, and you deal with C&F directly.

Grant NQ5T

> On May 29, 2020, at 11:24 AM, David M. Upton via BoatAnchors <boatanchors at lists.theporch.com> wrote:

>

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>

> David, WB1CMG

> Mont Vernon, NH 03057

From ranickel at comcast.net Fri May 29 12:43:38 2020  
From: ranickel at comcast.net (Robert Nickels)  
Date: Fri, 29 May 2020 11:43:38 -0500  
Subject: [BoatAnchors] Help with amp shipping  
In-Reply-To: <77DCCA3B-4D66-42B3-A835-9CB20BBF5FDF@gmail.com>  
References: <f97a4616-7363-1bea-7f65-1d6015773e47@gmail.com>  
<77DCCA3B-4D66-42B3-A835-9CB20BBF5FDF@gmail.com>  
Message-ID: <f7ffe806-569f-c2bc-f45f-839f75fc1a06@comcast.net>

David,

You might check out Fastenal, an industrial supplier that runs it's own truck fleet and offers store-to-store 3PL shipping services to the public.? The shipper would take the amp to one of their 2600 Fastnal locations nearby and you'd have to pick it up at one near you. ? Full info at the short video here:

<https://www.inddist.com/home/video/13771138/how-does-3pl-store-to-store-shipping-work-at-fastenal>

73, Bob W9RAN

From arc5 at ix.netcom.com Fri May 29 14:29:30 2020  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Fri, 29 May 2020 13:29:30 -0500  
Subject: [BoatAnchors] [Boatanchors] Tuning Your BCB Radio in the Late 1930s  
In-Reply-To: <88d2a465-9083-feaf-f95d-194b6b84f059@ix.netcom.com>  
References: <88d2a465-9083-feaf-f95d-194b6b84f059@ix.netcom.com>  
Message-ID: <bfedfce2-6965-8439-3cd6-d1931aa0715e@ix.netcom.com>

OK through the helpful input of classic radio people who recognize the music, we can better date the recording to the middle 1950s.? I was confused that there was so much late-30s music, but an ex-broadcast friend reminded me that stations would play "oldies," as was big in the 70s and 80's, because the older generation who likes that music were the ones with money to spend.

Not so much now, LOL.

Even so, and even though it's pretty "muddy" in the middle of the recording, it's still very interesting.

73 DE Dave AB5S

--

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<https://www.avast.com/antivirus>

From arc5 at ix.netcom.com Fri May 29 14:34:10 2020  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Fri, 29 May 2020 13:34:10 -0500  
Subject: [BoatAnchors] Tuning Your BCB Radio in the Late 1930s  
In-Reply-To: <86543d43-e944-1137-2286-29565572b168@gmail.com>  
References: <88d2a465-9083-feaf-f95d-194b6b84f059@ix.netcom.com>  
<86543d43-e944-1137-2286-29565572b168@gmail.com>  
Message-ID: <72912c95-001a-6b19-221d-db09dd63fd5b@ix.netcom.com>

Try this for the .MP3 link:

<https://drive.google.com/file/d/1AIbLUCDrmbldWGKd0o0UcT47awkIi2-p/edit>

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This email has been checked for viruses by Avast antivirus software.  
<https://www.avast.com/antivirus>



From 1oldlens1 at ix.netcom.com Fri May 29 15:20:06 2020  
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)  
Date: Fri, 29 May 2020 12:20:06 -0700  
Subject: [BoatAnchors] Tuning Your BCB Radio in the Late 1930s  
In-Reply-To: <88d2a465-9083-feaf-f95d-194b6b84f059@ix.netcom.com>  
References: <88d2a465-9083-feaf-f95d-194b6b84f059@ix.netcom.com>  
Message-ID: <1aa0b671-3424-f105-b9d9-c87701dc6723@ix.netcom.com>

?? Wire recorders were probably the first practical method of home recording. The first commercial machines came out in the late 1940s and Webster-Chicago was the most popular brand although there were others. After a few years tape recording supplanted wire for various reasons, one being quality. I suspect there are a lot of recordings on wire stashed away in people's storage. They will still play where some old tape recordings will disintegrate. The quality was never really hi-fi, there were problems like the wire twisting when wound so the surface that was against the recording head was never aligned quite right for playback. They are also not really suitable for editing. The method of splicing is to tie a square knot between the two sides.? I can't think of any commercial record project that used wire for original recording while tape was taken up immediately it became available.

?? The wire is stainless steel and is unlikely to age much.

??? I have a Webster-Chicago machine but its been bashed. I would not have bought it had I realized how bad its condition was.

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? ? I mentioned in an earlier post the brand name Webcor, this is another name used by Webster Chicago.

On 5/29/2020 5:06 AM, David Stinson via BoatAnchors wrote:

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> I'll also be uploading it to a couple of Facebook radio  
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> Please share the links to whomever you think might enjoy.  
>  
> GL OM ES 73 DE Dave AB5S  
>  
>

--

Richard Knoppow  
1oldlens1 at ix.netcom.com  
WB6KBL

From nbroline at austin.rr.com Sat May 30 13:11:24 2020  
From: nbroline at austin.rr.com (Nick Broline)  
Date: Sat, 30 May 2020 12:11:24 -0500  
Subject: [BoatAnchors] Swing Music in the 50's?  
In-Reply-To: <mailman.9.1590854402.30261.boatanchors@lists.theporch.com>  
References: <mailman.9.1590854402.30261.boatanchors@lists.theporch.com>  
Message-ID: <299C30171F4343D8A275EF8A8BC42163@Dua1AMD64>

>From my experience, swing music (Tommy Dorsey, et. al.) was still in great demand in the late 50's to early 60's in San Antonio. I saw it draw in people who were in their late 20's and early 30's for a night of dining and dancing. Our 30-piece swing band played for special occasions, like conventions, of all sorts, often in an unbelievably plush and old night club (Shadow Land) originally buried in the woods north of San Antonio on the old Blanco Road. Those attending would not let the music stop until they were exhausted at the 4-hour mark of a 3-hour gig. In the 50's I saw it was well maintained since construction. It was built before prohibition and maintained the Roaring 20's and Swing Music traditions for several decades. Sometimes the music just won't go away!

73,

Nick Broline W5FUA  
512 327 7425

We shall not cease from exploring  
And at the end of exploring  
Will be to arrive where we started  
And know the place for the first time.  
T.S. Eliot--"Little Gidding"

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On Behalf Of boatanchors-request at lists.theporch.com  
Sent: Saturday, May 30, 2020 11:00 AM  
To: boatanchors at lists.theporch.com  
Subject: BoatAnchors Digest, Vol 447, Issue 7

Send BoatAnchors mailing list submissions to  
boatanchors at lists.theporch.com

To subscribe or unsubscribe via the World Wide Web, visit  
<https://lists.theporch.com/mailman/listinfo/boatanchors>  
or, via email, send a message with subject or body 'help' to  
boatanchors-request at lists.theporch.com

You can reach the person managing the list at  
boatanchors-owner at lists.theporch.com

When replying, please edit your Subject line so it is more specific than "Re: Contents of BoatAnchors digest..."

Today's Topics:

1. Re: Help with amp shipping (Robert Nickels)

2. Re: [Boatanchors] Tuning Your BCB Radio in the Late 1930s (David Stinson)
3. Re: Tuning Your BCB Radio in the Late 1930s (David Stinson)
4. Re: Tuning Your BCB Radio in the Late 1930s (Richard Knoppow)

-----  
Message: 1  
Date: Fri, 29 May 2020 11:43:38 -0500  
From: Robert Nickels <ranickel at comcast.net>  
To: boatanchors at lists.theporch.com  
Subject: Re: [BoatAnchors] Help with amp shipping  
Message-ID: <f7ffe806-569f-c2bc-f45f-839f75fc1a06 at comcast.net>  
Content-Type: text/plain; charset=utf-8; format=flowed

David,

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<https://www.inddist.com/home/video/13771138/how-does-3pl-store-to-store-shipping-work-at-fastenal>

73, Bob W9RAN

-----  
Message: 2  
Date: Fri, 29 May 2020 13:29:30 -0500  
From: David Stinson <arc5 at ix.netcom.com>  
To: "Boatanchors at mailman" <boatanchors at mailman.qth.net>,  
"Boatanchors at ThePorch" <boatanchors at lists.theporch.com>,  
"3890AM at groups.io" <3890AM at groups.io>  
Subject: Re: [BoatAnchors] [Boatanchors] Tuning Your BCB Radio in the Late 1930s  
Message-ID: <bfedfce2-6965-8439-3cd6-d1931aa0715e at ix.netcom.com>  
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73 DE Dave AB5S

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<https://www.avast.com/antivirus>

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Message: 3

Date: Fri, 29 May 2020 13:34:10 -0500

From: David Stinson <arc5 at ix.netcom.com>

To: "Boatanchors at ThePorch" <boatanchors at lists.theporch.com>,  
boatanchors at mailman.qth.net, "3890AM at groups.io" <3890AM at groups.io>

Subject: Re: [BoatAnchors] Tuning Your BCB Radio in the Late 1930s

Message-ID: <72912c95-001a-6b19-221d-db09dd63fd5b at ix.netcom.com>

Content-Type: text/plain; charset=utf-8; format=flowed

Try this for the .MP3 link:

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--

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<https://www.avast.com/antivirus>

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Message: 4

Date: Fri, 29 May 2020 12:20:06 -0700

From: Richard Knoppow <1oldlens1 at ix.netcom.com>

To: boatanchors at lists.theporch.com

Subject: Re: [BoatAnchors] Tuning Your BCB Radio in the Late 1930s

Message-ID: <1aa0b671-3424-f105-b9d9-c87701dc6723 at ix.netcom.com>

Content-Type: text/plain; charset=utf-8; format=flowed

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>  
> GL OM ES 73 DE Dave AB5S  
>  
>

--

Richard Knoppow  
1oldlens1 at ix.netcom.com  
WB6KBL

-----  
Subject: Digest Footer

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BoatAnchors mailing list  
BoatAnchors at [lists.theporch.com](mailto:lists.theporch.com)  
<https://lists.theporch.com/mailman/listinfo/boatanchors>

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End of BoatAnchors Digest, Vol 447, Issue 7  
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